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Paint Titles

The Ultra-rapid weekly alerting service

for coatings, adhesives and inks

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PAINT TITLES

1. PIGMENTS, EXTENDERS & DYESTUFFS

Fine particles

Anon.

Degussa Technical Bulletin, 2006, (21), 32pp

PT 06/41/001

The preparation of porous nano-titanium dioxide with high activity and the discussion of the co-operation photocatalysis mechanism (17 refs, 8 figs, 2 tables)

Jiang, Y. et al.

Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp498-504

PT 06/41/002

Displacement reactions of covalently attached organo-silicon monolayers on silicon (4 refs, 2 figs, 1 table)

Krumpfer, J.W. and Fadeev, A.Y.

Langmuir, 26 September 2006, vol.22 (20), pp8271-8272

PT 06/41/003

Factors affecting the preparation and properties of electrodeposited silica thin films functionalised with amine or thiol groups (69 refs, 8 figs)

Sibottier, E. et al.

Langmuir, 26 September 2006, vol.22 (20), pp8366-8373

PT 06/41/004

Size-controlled synthesis of monodispersed silver nanoparticles capped by long-chain alkyl carboxylates from silver carboxylate and tertiary amine (27 refs, 4 figs, 1 table)

Yamamoto, M. et al.

Langmuir, 26 September 2006, vol.22 (20), pp8581-8586

PT 06/41/005

Fabrication and shape-evolution of nanostructured titanium dioxide via a sol/solvothermal process based on benzene/water interfaces (23 refs, 2 figs, 1 table)

Yang, S. and Gao, L.

Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp437-440

PT 06/41/006

2. SOLVENTS & ADDITIVES

Polymerisable cationic gemini surfactant (27 refs, 3 figs, 1 table)

Abe, M. et al.

Langmuir, 26 September 2006, vol.22 (20), pp8293-8297

PT 06/41/007

Molecular thermodynamics for micellar branching in solutions of ionic surfactants (72 refs, 10 figs, 2 tables)

Andreev, V.A. and Victorov, A.I.

Langmuir, 26 September 2006, vol.22 (20), pp8298-8310

PT 06/41/008

Investigation of short-time particle dynamics near an interface in the presence of non-adsorbed macro-ions (51 refs, 7 figs, 1 table)

Oetama, R.J. and Walz, J.Y.

PT 06/41/009

Langmuir, 26 September 2006, vol.22 (20), pp8318-8325

Effect of annealing temperature on silver nanocomposite synthesised by sol/gel (19 refs, 5 figs, 1 table)

Raffi, M. et al.

PT 06/41/010

Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp405-409

Biphasic synthesis of fatty acids stabilised silver nanoparticles: Role of experimental conditions on particle size (40 refs, 7 figs, 1 table)

Rao, C.R.K. and Trivedi, D.C.

PT 06/41/011

Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp354-360

Characterising the pH-responsive behaviour of thin films of diblock copolymer micelles at the silica/aqueous solution interface (31 refs, 5 figs, 1 table)

Sakai, K. et al.

PT 06/41/012

Langmuir, 26 September 2006, vol.22 (20), pp8435-8442

Foaming properties of monoglycerol fatty acid esters in non-polar oil systems (42 refs, 10 figs, 2 tables)

Shrestha, L.K. et al.

PT 06/41/013

Langmuir, 26 September 2006, vol.22 (20), pp8337-8345

3. NATURAL RESINS

Novel bio-plastics from sugar beets & Co: Technology leader BRAIN supplies Degussa with novel biopolymer-producing micro-organisms

Anon.

PT 06/41/014

pub. Degussa, 5 October 2006, 3pp

4. SYNTHETIC RESINS

Wacker Polymers introduces new nomenclature for Vinnapas[®] dispersible polymer powders

Anon.

PT 06/41/015

pub. Wacker, 9 October 2006, 2pp

Synthesis and characterisation of dihexyl derivatives of dithieno[3,2-b:2',3'-d]thiophene (11 refs, 1 fig, 1 table)

Armitage, M.A. et al.

PT 06/41/016

PMSE Preprints, 2006, vol.95, pp771-772

Dendrimer-tuned formation of fluorescent organic microcrystals: Influence of dye hydrophobicity and dendrimer charge (32 refs, 7 figs, 3 tables)

Bertorelle, F. et al.

PT 06/41/017

Langmuir, 26 September 2006, vol.22 (20), pp8523-8531

Synthesis and characterisation of bioabsorbable polyurethanes from novel isocyanates (1 ref)

Bezwada, R.S.

PT 06/41/018

PMSE Preprints, 2006, vol.95, p1054

Synthesis and characterisation of novel absorbable polymers from functionalised phenolic monomers (1 ref, 1 fig)

Bezwada, R.S.

PT 06/41/019

PMSE Preprints, 2006, vol.95, p825

Novel alkyl-substituted polyanilines/molybdenum disulphide nanocomposites (36 refs, 2 figs, 6 tables)

Bissessur, R. and White, W.

PT 06/41/020

Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp214-219

Self-assembly of polystyrene-*block*-polyethylene oxide copolymers at the air/water interface: Is dewetting the genesis of surface aggregate formation? (50 refs, 9 figs, 2 tables)

Cheyne, R.B. and Moffitt, M.G.

PT 06/41/021

Langmuir, 26 September 2006, vol.22 (20), pp8387-8396

Synthesis and characterisation of biodegradable, amino acid-based polyester-urethanes (5 refs, 1 table)

Da J. et al.

PT 06/41/022

PMSE Preprints, 2006, vol.95, p479

Fuzzy ternary particle systems by surface-initiated atom transfer radical polymerisation from layer-by-layer colloidal core/shell macroinitiator particles (34 refs, 8 figs)

Fulghum, T.M. et al.

PT 06/41/023

Langmuir, 26 September 2006, vol.22 (20), pp8397-8402

New fluorescent dipolar pyrazine derivatives for non-doped red organic light-emitting diodes (22 refs, 5 figs, 2 tables)

Gao, B. et al.

PT 06/41/024

Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp247-252

Modification of poly(L-lactic acid) with L-lactic acid/citric acid oligomers (25 refs, 10 figs, 2 tables)

Jiang, Y. et al.

PT 06/41/025

pub. e-Polymers, 6 October 2006, Paper 066, 14pp

Fabrication of chemically-microstructured polymer brushes (30 refs, 7 figs)

Konradi, R. and Ruhe, J.

PT 06/41/026

Langmuir, 26 September 2006, vol.22 (20), pp8571-8575

- Synthesis and electrochromic properties of poly(p-phenylenevinylene) (3 refs, 2 figs)
Kucukyavuz, Z. et al. **PT 06/41/027**
PMSE Preprints, 2006, vol.95, p779
- Synthesis and functionalisation of cyclic poly(hydroxystyrene) derivatives (11 refs)
Laurent, B.A. and Grayson, S.M. **PT 06/41/028**
PMSE Preprints, 2006, vol.95, pp411-412
- Synthesis and characterisation of nanoporous poly(pentafluorostyrene) films (3 refs, 3 figs)
Li, S.P. et al. **PT 06/41/029**
PMSE Preprints, 2006, vol.95, pp933-934
- Synthesis and characterisation of polyethylene-*b*-polyethylene oxide-*b*-polyhedral oligomeric silsesquioxane (POSS) triblock copolymers (10 refs, 5 figs)
Miao, J. et al. **PT 06/41/030**
PMSE Preprints, 2006, vol.95, pp773-774
- Poly(diethylaminoethyl methacrylate-*co*-poly(ethylene glycol methacrylate) (DEAEMA-*co*-PEGMa): A new pH-responsive comb copolymer stabiliser for emulsions and dispersions (17 refs, 12 figs)
Shahalom, S. et al. **PT 06/41/031**
Langmuir, 26 September 2006, vol.22 (20), pp8311-8317
- Optimisation of nano-emulsion preparation by low-energy methods in an ionic surfactant system (27 refs, 8 figs, 3 tables)
Sole, I. et al. **PT 06/41/032**
Langmuir, 26 September 2006, vol.22 (20), pp8326-8332
- Synthesis and characterisation of triblock copolymers swollen with nematic liquid crystal solvent (1 ref, 6 figs)
Verduzco, R. et al. **PT 06/41/033**
PMSE Preprints, 2006, vol.95, pp1117-1118
- Synthesis and characterisation of conjugated polymers containing transition metal complexes (13 refs, 2 figs)
Yuan, S. et al. **PT 06/41/034**
PMSE Preprints, 2006, vol.95, pp13-14
- Synthesis and characterisation of a novel polyurethane microgel for multifunctional coating applications (3 refs, 6 figs)
Zhou, W. et al. **PT 06/41/035**
PMSE Preprints, 2006, vol.95, pp1055-1056

5. PAINT & COATINGS: GENERAL

'A380' coating cuts downtime by 40% - An advanced technology aerospace coating system developed by Akzo Nobel Aerospace Coatings (ANAC), and quick removal

Anon.

PT 06/41/036

Surface World & Product Finishing, September 2006, vol.13 (8), p32

A new way to reduce VOC emissions: Ultra-high solids paints (in French) (2 figs)

Berger, F.

PT 06/41/037

GalvanoOrgano, September 2006, (759), pp30-31

Anti-friction paints in the automotive industry (in French)

Grau, M.

PT 06/41/038

GalvanoOrgano, September 2006, (759), pp26-28

Effect of introduction of structural defects on protective ability of polyesters (7 refs, 6 tables, 3 graphs)

Malshe, V.C. and Sangaj, N.S.

PT 06/41/039

Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp37-43

Silicone and silicate masonry paints (in German)

Pilz, A. and Reul, H.

PT 06/41/040

Applica, 29 September 2006, vol.113 (19), pp4-6,8-9

6. RADIATION CURABLE COATINGS

Selected Degussa products for radiation-curing coatings and printing inks

Anon.

PT 06/41/041

Degussa Creating Essentials Brochure, 2006, 23pp

A third UV installation - A third gearless Uteco Emerald SIL UV flexo press now operating at the main plant of Teich.

Anon.

PT 06/41/042

Flexo & Gravure International, September 2006, vol.12 (3), p31

RadTech announces uv.eb WEST 2007 dates Los Angeles, 6-7 March

Anon.

PT 06/41/043

Ink World, September 2006, vol.12 (9), p85

Effects of UV varnish and type on coating plates in UV coatings (6 figs)

Baro, J. et al.

PT 06/41/044

Flexo & Gravure International, September 2006, vol.12 (3), pp14-15

Synthesis and characterisation of UV-curable dual hybrid oligomers based on epoxy acrylate containing pendent alkoxy silane groups (22 refs, 4 figs, 4 tables)

Bayramoglu, G. et al.

Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp50-55

PT 06/41/045

Abolishing solvents with electron beam curing? (Report of seminar)

Lauppi, U.V. et al.

Coating, September 2006, vol.39 (9), pp383-387

PT 06/41/046

Synthesis and characterisation of UV-curable siliconised polyurethane acrylate coating prepolymer with multi-vinyl functional groups (6 refs, 3 figs, 1 table)

Li, C. et al.

PMSE Preprints, 2006, vol.95, pp777-778

PT 06/41/047

Photopolymerisation of wood coatings under visible lights (50 refs, 10 figs, 8 tables)

Mauguiere-Guyonnet, F. et al.

Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp23-32

PT 06/41/048

Siloxane additive as modifier in cationic UV-curable coatings (21 refs, 3 figs, 3 tables)

Sangermano, M. et al.

Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp44-49

PT 06/41/049

7. WATERBORNE COATINGS

DuPont water-based paints help California auto body shops meet new air emissions regulations

Anon.

pub. DuPont, 4 October 2006, 3pp

PT 06/41/050

Non-affine structural evolution of soft colloidal crystalline latex films under stretching as observed via synchrotron X-ray scattering (20 refs, 4 figs)

Men, Y. et al.

Langmuir, 26 September 2006, vol.22 (20), pp8285-8288

PT 06/41/051

Waterborne electrically conductive coatings for electronic industry (in French) (2 figs)

Spraylat GmbH

GalvanoOrgano, September 2006, (759), p41

PT 06/41/052

8. POWDER COATINGS

Powder coatings: Examination of causes of film defects (in French) (23 figs)

Grunberger, A.

GalvanoOrgano, September 2006, (759), pp32-35

PT 06/41/053

Powder coatings: Many different developments (in French)

Queruel, M.

GalvanoOrgano, September 2006, (759), pp6-7

PT 06/41/054

9. PRINTING & RECORDING MATERIALS

A worldwide launch - WetFlex, Sun Chemical

Anon.

Flexo & Gravure International, September 2006, vol.12 (3), p35

PT 06/41/055

The Buyers' Guide: Raw materials, equipment and services - Directory

Anon.

Ink World, September 2006, vol.12 (9), pp29-76

PT 06/41/056

The Buyers' Guide: Distributors - Directory

Anon.

Ink World, September 2006, vol.12 (9), p77

PT 06/41/057

The Buyers' Guide: Trade Associations - Directory

Anon.

Ink World, September 2006, vol.12 (9), pp78-79,80

PT 06/41/058

Sun Chemical rolls out 'next-generation' coldset inks and services

Anon.

pub. Sun Chemicals, 10 October 2006, 3pp

PT 06/41/059

Ink manufacturers see colour management as an opportunity for growth

Milmo, S.

Ink World, September 2006, vol.12 (9), pp16,18

PT 06/41/060

WetFlex - The future of flexography

White, A.R.

Flexo & Gravure International, September 2006, vol.12 (3), p66

PT 06/41/061

A digital world - Preview of Digital Print World exhibition 17-19 October 2006, Earls Court, UK

Wright, S.

Print & Paper Monthly, October 2006, vol.18 (7), pp24-27,28

PT 06/41/062

11. PRETREATMENT & APPLICATION

Modular painting line for higher quality and reduced energy usage (in French)

ABB

GalvanoOrgano, September 2006, (759), p40

PT 06/41/063

EU research project on biosolvents for cold manual cleaning instead of halogenated solvents (in French)

Anon.

GalvanoOrgano, September 2006, (759), p15

PT 06/41/064

A novel and simplified procedure for patterning hydrophobic and hydrophilic self-assembled monolayers (SAMs) for microfluidic devices by using UV photolithography (45 refs, 6 figs, 2 tables)

Besson, E. et al.

Langmuir, 26 September 2006, vol.22 (20), pp8346-8352

PT 06/41/065

Spin coater based on brushless dc motor of hard disk drivers (16 refs, 7 figs)

Bianchi, R.F. et al.

Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp33-36

PT 06/41/066

Innovation in acid pickling treatments of copper by characterisations of a new series of Schiff bases as corrosion inhibitors (18 refs, 10 figs, 4 tables)

Ehteshamzadeh, M. et al.

Anti-Corrosion Methods and Materials, 2006, vol.53 (5), pp296-302

PT 06/41/067

Formation mechanisms and properties of semi-fluorinated molecular gradients on silica surfaces (54 refs, 16 figs)

Genzer, J. et al.

Langmuir, 26 September 2006, vol.22 (20), pp8532-8541

PT 06/41/068

Coil coatings: Universal primer for every type of pretreatment (in French)

Heimes-Scheller, A.

GalvanoOrgano, September 2006, (759), pp36-38

PT 06/41/069

Nanoscale copies - Parallel method makes 55,000 copies of minuscule pattern in minutes

Jacoby, M.

Chemical & Engineering News, 2 October 2006, vol.84 (40), p13

PT 06/41/070

12. WEATHERING, CORROSION, FOULING

Anticorrosive painting for a wide spectrum of marine atmospheres: Environmentally-friendly versus traditional paint systems (29 refs, 4 figs, 8 tables)

Almeida, E. et al.

Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp11-22

PT 06/41/071

- Photoprotection and photostabilisation of timber surfaces using clear coatings (15 refs, 8 figs)
Baur, S. et al. **PT 06/41/072**
Surface Coatings Australia, October 2006, vol.43 (10), pp20-24
- Three-layer polyolefin coatings: Fulfilling their potential? An alternative philosophy
Harvey, D.W. **PT 06/41/073**
Corrosion Management, September/October 2006, (73), p12
- Raman and infrared spectral analysis of corrosion products on zinc $\text{NaZn}_4\text{Cl}(\text{OH})_6\text{SO}_4 \cdot 6\text{H}_2\text{O}$ and $\text{Zn}_4\text{Cl}_2(\text{OH})_4\text{SO}_4 \cdot 5\text{H}_2\text{O}$ (20 refs, 3 figs, 5 tables)
Jayasree, R.S. et al. **PT 06/41/074**
Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp474-478
- Synthesis and characterisation of surface coated ultrafiltration membranes to enhance oil/water fouling resistance (8 refs, 3 figs, 1 table)
Ju, H. et al. **PT 06/41/075**
PMSE Preprints, 2006, vol.95, pp973-974
- Comparison of the efficiency of inorganic non-metal pigments with zinc powder in anticorrosive paints (13 refs, 8 figs, 10 tables)
Kalendova, A. et al. **PT 06/41/076**
Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp1-10
- Evidence of ion transport through surface conduction in alkylsilane-functionalised nanoporous ceramic membranes (15 refs, 3 figs, 1 table)
Ku, A.Y. et al. **PT 06/41/077**
Langmuir, 26 September 2006, vol.22 (20), pp8277-8280
- Modification of bis-silane solutions with rare earth cations for improved corrosion protection of galvanised steel substrates (42 refs, 15 figs)
Montemor, M.F. et al. **PT 06/41/078**
Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp67-77
- Synergistic inhibition of carbon steel by tertiary butyl phosphonate, zinc ions and citrate (8 refs, 4 figs, 3 tables)
Narmada, P. et al. **PT 06/41/079**
Anti-Corrosion Methods and Materials, 2006, vol.53 (5), pp310-314
- Studies on the inhibitive effect of *Occimum viridis* extract on the acid corrosion of mild steel (26 refs, 6 figs, 3 tables)
Oguzie, E.E. **PT 06/41/080**
Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp441-446

In situ attenuated total reflection Fourier transform infrared spectroscopy (ATR-FTIR) studies of the aluminium/polymer interface upon exposure to water and electrolyte (106 refs, 11 figs)

Ohman, M. et al.

PT 06/41/081

Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp78-88

Attenuated total reflectance Fourier transform infrared (ATR-FTIR) spectroscopy reveals bond formation during bacterial adhesion to iron oxide (89 refs, 7 figs, 2 tables)

Parikh, S.J. and Chorover, J.

PT 06/41/082

Langmuir, 26 September 2006, vol.22 (20), pp8492-8500

Zinc-modified polyaniline coating for mild steel protection (28 refs, 9 figs)

Tuken, T. et al.

PT 06/41/083

Materials Chemistry and Physics, 10 October 2006, vol.99 (2-3), pp459-464

Gum arabic as a potential corrosion inhibitor for aluminium in alkaline medium and its adsorption characteristics (29 refs, 7 figs, 3 tables)

Umoren, S.A. et al.

PT 06/41/084

Anti-Corrosion Methods and Materials, 2006, vol.53 (5), pp277-282

Evaluation of organic-based corrosion-inhibiting admixtures for reinforced concrete (17 refs, 9 figs, 5 tables)

Vishnudevan, M. and Thangavel, K.

PT 06/41/085

Anti-Corrosion Methods and Materials, 2006, vol.53 (5), pp271-276

Design of antibacterial surfaces by a combination of electrochemistry and controlled radical polymerisation (26 refs, 12 figs, 1 table)

Voccia, S. et al.

PT 06/41/086

Langmuir, 26 September 2006, vol.22 (20), pp8607-8613

Stable superhydrophobic polybenzoxazine surfaces over a wide pH range (27 refs, 4 figs, 2 tables)

Wang, C-F. et al.

PT 06/41/087

Langmuir, 26 September 2006, vol.22 (20), pp8289-8292

Effects of marine microbial biofilms on the biocide release rate from antifouling paints - A model-based analysis (58 refs, 7 figs, 2 tables)

Yebra, D.M. et al.

PT 06/41/088

Progress in Organic Coatings, 1 September 2006, vol.57 (1), pp56-66

Superhydrophobic behaviour of a perfluoropolyether lotus leaf-like topography (48 refs, 7 figs, 1 table)

Zhang, L. et al.

PT 06/41/089

Langmuir, 26 September 2006, vol.22 (20), pp8576-8580

13. PHYSICAL PROPERTIES & TESTING

Modification of the wettability of a polymeric substrate by pH effect. Determination of the surface acid dissociation constant by contact angle measurements (23 refs, 8 figs, 3 tables)

Badre, C. et al.

PT 06/41/090

Langmuir, 26 September 2006, vol.22 (20), pp8424-8430

Large damage threshold and small electron escape depth in X-ray absorption spectroscopy of a conjugated polymer thin film (59 refs, 5 figs)

Chua, L-L. et al.

PT 06/41/091

Langmuir, 26 September 2006, vol.22 (20), pp8587-8594

Texture of wooden surfaces before and after coating (24 refs, 8 figs, 6 tables)

Dawson, B.S.W. et al.

PT 06/41/092

Surface Coatings Australia, October 2006, vol.43 (10), pp14-18

Lessons on viscosity and viscosity control

Norcross, R.

PT 06/41/093

Flexo & Gravure International, September 2006, vol.12 (3), pp16-18

14. CHEMICAL PROPERTIES & ANALYSIS

2D Polymer liquid chromatography as a high-speed, high-throughput application (5 refs, 4 figs, 2 tables)

Adler, M. and Kilz, P.

PT 06/41/094

LCGC Europe, October 2006, vol.19 (10), pp552-554,556

Determination of triclosan as its pentafluorobenzoyl ester in human plasma and milk using electron capture negative ionisation mass spectrometry (16 refs, 6 figs)

Allmyr, M. et al.

PT 06/41/095

Analytical Chemistry, 15 September 2006, vol.78 (18), pp6542-6546

Magnetophoretic velocity modulation mass analysis of a single microparticle in an atmosphere (21 refs, 5 figs, 1 table)

Arase, M. et al.

PT 06/41/096

Analytical Chemistry, 15 September 2006, vol.78 (18), pp6660-6663

Simultaneous determination of chelating agents by ion-suppression and ion-pair chromatography in waste water (19 refs, 6 figs, 3 tables)

Dodi, A. and Bouscarel, M.

PT 06/41/097

LCGC Europe, October 2006, vol.19 (10), pp542-544,546,548,550

Autosampler carryover - Why is the blank never clean? (1 ref, 3 figs, 2 tables)

Dolan, J.W.

PT 06/41/098

LCGC Europe, October 2006, vol.19 (10), pp522,524-525,529

Establishment of an extraction method for the recovery of tattoo pigments from human skin using HPLC diode array detector technology (46 refs, 5 figs, 2 tables)

Engel, E. et al.

PT 06/41/099

Analytical Chemistry, 15 September 2006, vol.78 (18), pp6440-6447

Syringes for gas chromatography (1 ref, 1 fig)

Hinshaw, J.V.

PT 06/41/100

LCGC Europe, October 2006, vol.19 (10), pp530,532-534

Study on the surface density of surface-active substances through total-reflection X-ray absorption fine structure measurement (29 refs, 9 figs, 1 table)

Kashimoto, K. et al.

PT 06/41/101

Langmuir, 26 September 2006, vol.22 (20), pp8403-8408

Isotopic analysis of atmospheric formaldehyde by gas chromatography isotope ratio mass spectrometry (30 refs, 4 figs)

Rice, A.L. and Quay, P.D.

PT 06/41/102

Analytical Chemistry, 15 September 2006, vol.78 (18), pp6320-6326

15. INDUSTRIAL HAZARDS

Controversy besets EPA standard for small particulates

Anon.

PT 06/41/103

Chemical & Engineering News, 2 October 2006, vol.84 (40), p38

RadTech Europe and the Surface Treatment Technology department of the German Engineering Federation (VDMA) announce the finalisation of the EB Protocol for the printing and coating industry

Anon.

PT 06/41/104

Flexo & Gravure International, September 2006, vol.12 (3), p31

European consultation on new global harmonised system for classification and labelling of chemicals (in French)

Anon.

PT 06/41/105

GalvanoOrgano, September 2006, (759), p15

Are you ready for the new fire safety regulations?

Anon.

PT 06/41/106

Surface World & Product Finishing, September 2006, vol.13 (8), p4

Chrysotile asbestos: Hazardous to humans, deadly to the Rotterdam Convention

Anon.

PT 06/41/107

pub. Building & Woodworkers International, 2006, 31pp

Debate on REACH ahead of committee vote

Anon.

pub. EuroParl Press Service, 5 October 2006, 1p

PT 06/41/108

REACH: firm stand by Environment Committee at second reading

Anon.

pub. EuroParl Press Service, 10 October 2006, 1p

PT 06/41/109

Third meeting of the Conference of the Parties to the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (PIC COP-3)

Anon.

pub. International Institute for Sustainable Development, 9-13 October 2006, 1p

PT 06/41/110

OSHA makes the business case for safety and health; Agency unveils new safety and health topics page

Anon.

pub. Occupational Safety and Health Administration, 5 October 2006, 1p

PT 06/41/111

REACH - European Parliament committee backs safer chemical rules

Anon.

pub. WWF, 10 October 2006, 1p

PT 06/41/112

REACH vital for Cefic

Burridge, E.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p33

PT 06/41/113

Database finds safer options - Surface cleaning on-line database

Burridge, E.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p33

PT 06/41/114

How important is inadvertent ingestion of hazardous substances at work?

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PT 06/41/115

REACH debate nears end

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pub. Government News Network, 10 October 2006, 2pp

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PT 06/41/121

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Gulson, B. and Wong, H.

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HSE launches REACH helpdesk

Health and Safety Executive

PT 06/41/123

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Plant security - Congress grants Department of Homeland Security (DHS) authority to develop chemical plant anti-terrorism protections

Johnson, J.

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Site specifics: Fire - The best guidance the Web has to offer

Leathley, B.

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Tough laws loom for Europe's chemical industry

Mackenzie, D.

PT 06/41/126

pub. NewScientist News Service, 10 October 2006, 1p

Occupational exposure to solvents and risk of lymphomas

Miligi, L. et al.

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- Under surveillance - Regulations increasingly require businesses to check staff for signs of ill health
Ponting, L. PT 06/41/128
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- Blood lead levels and death from all causes, cardiovascular disease, and cancer: Results from NHANES III Mortality Study
Schober, S.E. et al. PT 06/41/129
Environmental Health Perspectives, October 2006, vol.114 (10), pp1538-1541
- Further development of health and safety performance management index
Shaw, J. et al. PT 06/41/130
Health and Safety Executive Research Report 490, October 2006, 54pp
- Congress reaches deal on chemical security law
Sissell, K. PT 06/41/131
Chemical Week, 4 October 2006, vol.168 (33), p9
- The clued-up client - Six golden rules of using external providers
Smith, P. PT 06/41/132
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- The Global Harmonisation System - EU consultation with industry imminent
Smith, W. PT 06/41/133
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- Style counsel - How to cater for different 'learning styles' in safety training
Tylee, A. PT 06/41/134
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- Workplace transport: A place of safety, Part I - Site management
Wustemann, L. PT 06/41/135
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- Amendments to the architectural and industrial maintenance (AIM) rule 1113
Anon. PT 06/41/136
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- Miracle Drywash cleans cars without water
Anon. PT 06/41/137
Environment Business, October 2006, (123), p9

Coatings facts? - 'Facts on Environmental Impact of VOCs from Decorative Coatings and Printing Inks' - A new leaflet from the British Coatings Federation (BCF)

Anon.

PT 06/41/138

Surface World & Product Finishing, September 2006, vol.13 (8), p4

Dow named in climate leadership index as part of carbon disclosure project's 4th survey of FT500 corporate approaches to climate change

Anon.

PT 06/41/139

pub. Dow, 6 October 2006, 2pp

DuPont expands sustainability commitments to include R&D, revenue goals

Anon.

PT 06/41/140

pub. DuPont, 10 October 2006, 5pp

Time to ban toxic boat paint pollution

Anon.

PT 06/41/141

pub. WWF News, 10 October 2006, 2pp

US Environmental Protection Agency (EPA) takes action on VOC emissions - Hexion

Burridge, E.

PT 06/41/142

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p33

EU regulation creates pressures

Carpenter, D.

PT 06/41/143

Surface World & Product Finishing, September 2006, vol.13 (8), p20

DuPont and Ciba pay up - Contaminated wetlands in Delaware, US

Gibson, J.

PT 06/41/144

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p17

Waste not, want not - Keeping waste to a minimum and disposing of it in sensible ways can help printers to hold on to their money

Hayes, R.

PT 06/41/145

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Effects of humidity and filter material on diffusive sampling of isocyanates using reagent-coated filters

Henneken, H. et al.

PT 06/41/146

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California becomes first state to cap greenhouse gases

Sissell, K.

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Chemical Week, 4 October 2006, vol.168 (33), p53

National emission standards for hazardous air pollutants: Miscellaneous coating manufacturing
US Environmental Protection Agency **PT 06/41/148**
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Final rule to implement 8-hour ozone national ambient air quality standard
US Environmental Protection Agency **PT 06/41/149**
Federal Register, 4 October 2006, vol.71 (192), p58498

Protection of stratospheric ozone: Allocation of essential use allowances for calendar year 2006
US Environmental Protection Agency **PT 06/41/150**
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Consumer and Commercial Products, Group II: Control techniques guidelines in lieu of regulations for flexible packaging, lithographic and letterpress printing materials, industrial cleaning solvents, and flat wood panelling coating
US Environmental Protection Agency **PT 06/41/151**
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Draft UK regulations arise on the waste electrical and electronic equipment (WEEE) directive
Warren, C. **PT 06/41/152**
Environment Business, October 2006, (123), p14

17. MANAGEMENT, MARKETING & INFORMATION

Noveon Performance Coatings launches new web site
Anon. **PT 06/41/153**
Ink World, September 2006, vol.12 (9), p85

Special paint for 007 film set - Semi-gloss coating for artificial marble
Anon. **PT 06/41/154**
Surface World & Product Finishing, September 2006, vol.13 (8), p4

Lord Corporation introduces process cost modelling software
Anon. **PT 06/41/155**
pub. Lord, 9 October 2006, 3pp

Rohm and Haas: Get your home ready to shine and sparkle - Paint colour and decorating tips for the upcoming holiday season
Anon. **PT 06/41/156**
pub. Rohm and Haas, 5 October 2006, 3pp

Sun Chemical adds complementary services to ink products

Anon.

pub. Sun Chemical, 10 October 2006, 3pp

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How to use ISO 9001:2000 correctly; A plea for a comprehensive, effective and efficient management instrument

Lichtenauer, P.

Coating, September 2006, vol.39 (9), pp362-371

PT 06/41/158

One-stop shop planned for cartel leniency

Ovrebekk, H.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p11

PT 06/41/159

High standards for Cefic

Sinclair, N.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p11

PT 06/41/160

Research tools: Specialist searches

Winder, D.

Information World Review, October 2006, (228), pp22-25

PT 06/41/161

18. MARKET NEWS AND STATISTICS

Fuller reports higher earnings - Third quarter ended 2nd September

Anon.

Chemical Week, 4 October 2006, vol.168 (33), p4

PT 06/41/162

3M to expand in Poland - Adhesives facility, etc

Anon.

Chemical Week, 4 October 2006, vol.168 (33), p4

PT 06/41/163

PPG to record \$106 million in environmental, legal charges

Anon.

Chemical Week, 4 October 2006, vol.168 (33), p4

PT 06/41/164

Dow to boost methylene di-para-phenylene isocyanate (MDI) capacity in Portugal

Anon.

Chemical Week, 4 October 2006, vol.168 (33), p4

PT 06/41/165

Cabot to cut 130 jobs in carbon black unit restructuring

Anon.

Chemical Week, 4 October 2006, vol.168 (33), p4

PT 06/41/166

Altana to close pigments plant in Italy - Aluminium pastes

Anon.

Chemical Week, 4 October 2006, vol.168 (33), p5

PT 06/41/167

Intermediate handing-over of LPC's maleic anhydride project - CNPC Lanzhou Petrochemical Co

Anon.

China Chemical Reporter, 26 September 2006, vol.17 (27), p13

PT 06/41/168

GE sells its advanced materials business to Apollo Management LP

Anon.

China Chemical Reporter, 26 September 2006, vol.17 (27), p6

PT 06/41/169

130,000 t/a aniline unit puts on stream - Shanxi Tianji Coal Chemical Industry Group

Anon.

China Chemical Reporter, 26 September 2006, vol.17 (27), p12

PT 06/41/170

Tikkurila acquires Finncolor in Czech Republic

Anon.

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PT 06/41/171

Turkey: Brand launched in a huge market - Siegwerk

Anon.

Flexo & Gravure International, September 2006, vol.12 (3), p35

PT 06/41/172

'United Corona Competence' - ITW Surface Treatment

Anon.

Flexo & Gravure International, September 2006, vol.12 (3), p38

PT 06/41/173

Jotun will build two powder coating factories in India (in French)

Anon.

GalvanoOrgano, September 2006, (759), p10

PT 06/41/174

Ameron sells paints business to PPG - Details & figures (in French)

Anon.

GalvanoOrgano, September 2006, (759), p10

PT 06/41/175

Cytec increases production of UV resins in China (in French)

Anon.

GalvanoOrgano, September 2006, (759), p11

PT 06/41/176

- PSA Peugeot Citroen and Chinese partner Dongfeng Motor will set up new factory at Wuhan - Details (in French)
Anon. **PT 06/41/177**
GalvanoOrgano, September 2006, (759), p12
- Akzo targets decorative coatings
Anon. **PT 06/41/178**
Industrial Minerals, October 2006, (469), p15
- ALTANA delivers dynamic first half-year 2006
Anon. **PT 06/41/179**
Ink World, September 2006, vol.12 (9), pp8,10
- Start-up of integrated isocyanates complex in Shanghai
Anon. **PT 06/41/180**
Surface Coatings Australia, October 2006, vol.43 (10), p12
- Cabot opens new carbon black facility in China
Anon. **PT 06/41/181**
Surface Coatings Australia, October 2006, vol.43 (10), p12
- South American coatings profile
Anon. **PT 06/41/182**
Surface World & Product Finishing, September 2006, vol.13 (8), p10
- Coatings research firm opens office in China
Anon. **PT 06/41/183**
Surface World & Product Finishing, September 2006, vol.13 (8), p20
- BASF Coatings' success in Solihull - Excellent cooperation with Land Rover
Anon. **PT 06/41/184**
pub. BASF, 10 October 2006, 3pp
- BASF: 75 years of Oppanol (REGD) - 'Successful past, promising future'
Anon. **PT 06/41/185**
pub. BASF, 6 October 2006, 3pp
- BASF demonstrates renewed strength in North America
Anon. **PT 06/41/186**
pub. BASF, 5 October 2006, 3pp

- Cytec announces price increases on RADCURE® energy curable diluting acrylates in Europe
Anon. **PT 06/41/187**
pub. Cytec, 9 October 2006, 1p
- Ferro announces plans to increase production capacity for epoxidised soybean oil
Anon. **PT 06/41/188**
pub. Ferro, 5 October 2006, 2pp
- Jotun's growth continues: Sales up by more than NOK 600 million
Anon. **PT 06/41/189**
pub. Jotun, 9 October 2006, 3pp
- Rohm and Haas announces initiatives to accelerate profitable growth
Anon. **PT 06/41/190**
pub. Rohm and Haas, 9 October 2006, 6pp
- Rohm and Haas establishing dedicated manufacturing facility in Turkey to meet increasing demand of local markets
Anon. **PT 06/41/191**
pub. Rohm and Haas, 5 October 2006, 3pp
- Sun Chemical and KBA press ahead with waterless inks
Anon. **PT 06/41/192**
pub. Sun Chemical, 10 October 2006, 3pp
- Sun Chemical redevelops South Normanton distribution and customer service centre
Anon. **PT 06/41/193**
pub. Sun Chemical, 6 October 2006, 3pp
- Clariant's power plan in action - Buying Ciba Specialty Chemicals' masterbatches business
Baker, J. **PT 06/41/194**
ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p11
- DSM targets \$1 billion in new sales
Baker, J. **PT 06/41/195**
ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p35
- Traynor on target - Chance & Hunt's managing director
Burridge, E. **PT 06/41/196**
ICIS Chemical Business, 9-15 October 2006, vol.1 (38), pp20-21

Huntsman looks to R&D to drive its future

Chang, J.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p19

PT 06/41/197

Akzo Nobel Coatings: Profile (in French)

Clin, I.

GalvanoOrgano, September 2006, (759), pp21-24

PT 06/41/198

Clariant declares ethylene oxide/ethylene glycol (EO/EG) force majeure - Production at its Gendorf, Germany site

Gibson, J.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p7

PT 06/41/199

Dow plans methyl di-p-phenylene (MDI) boost - Estarreja, Portugal

Gibson, J.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p8

PT 06/41/200

Focus on customer service - The current state of the Russian flexible packaging market

Grishchenko, G.

Flexo & Gravure International, September 2006, vol.12 (3), pp52-54

PT 06/41/201

BASF: No divestment plans, just integration

Jagger, A.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p16

PT 06/41/202

High USA GDP to drive growth - BASF

Jagger, A.

ICIS Chemical Business, 9-15 October 2006, vol.1 (38), p16

PT 06/41/203

Renault intends to triple Russian sales by 2009 (in French)

Jalinier, J-M.

GalvanoOrgano, September 2006, (759), p12

PT 06/41/204

Valspar strengthens position in China with acquisition of Huarun (in French)

Mansfield, W.

GalvanoOrgano, September 2006, (759), p10

PT 06/41/205

Adhesives and sealants - Steady growth ahead

Phillips, K. and D'Amico, E.

Chemical Week, 4 October 2006, vol.168 (33), pp25,27-28

PT 06/41/206

The raw material report - Prices for key ink ingredients are rising dramatically, leading companies to wonder when, and if, prices will eventually stabilise

Savastano, D.

PT 06/41/207

Ink World, September 2006, vol.12 (9), pp23-27

Clariant plans company-wide price hikes

Walsh, K.

PT 06/41/208

Chemical Week, 4 October 2006, vol.168 (33), p48

Dow Chemical - Enhancing performance

Wood, A.

PT 06/41/209

Chemical Week, 4 October 2006, vol.168 (33), pp19,21-23

19. ADHESIVES; SEALANTS

Suppliers to the Adhesive and Sealant Industry - Directory

Anon.

PT 06/41/210

Chemical Week, 4 October 2006, vol.168 (33), pp30-32,34-40,42-45

Synthesis and characteristics of aromatic poly(thio-ethers): A high temperature sealant for severe environments (4 refs, 1 fig, 2 tables)

Yonkey, M. et al.

PT 06/41/211

PMSE Preprints, 2006, vol.95, pp769-770

PATENT SUPPLEMENT

9. PRINTING & RECORDING MATERIALS

Printable insulating compositions and printable articles (a printable composition for forming an insulating layer is disclosed, the insulating layer typically being a dielectric layer. The printable composition is particularly well suited for making cured insulating layers on touch screens, but is also suitable for a variety of other applications. In certain embodiments the composition is suitable for application using digital printing technology such as ink jet printing to precisely apply the printable composition it to a substrate)

3M INNOVATIVE PROPERTIES CO

PT 06/41/212

EP1670638 - 2006-06-21 (WO2005035238)

Radiation curable ink-jet printing process using dotsize control fluid (comprises the steps of providing an ink-receiver, providing a surface layer on at least a portion of the ink-receiver with a dotsize control fluid, jetting at least one radiation curable ink-jet ink droplet to the surface layer on the ink-receiver, characterised in that the dotsize control fluid contains a surfactant, a film forming polymeric resin and an inorganic filler, wherein the ratio of the weight % of film forming polymeric resin to inorganic filler is greater than 3.0, both based on the total weight of the dotsize control fluid, and the surfactant is present in the surface layer in the range of 0.1 to 20 % by weight based on the total dry weight of the surface layer)

AGFA GEVAERT

PT 06/41/213

EP1671805 - 2006-06-21

Ink-jet set (a method for preparing an ink-jet ink set comprising the steps of: (a) preparing a first colour ink by mixing a polymeric dispersant and a pigment having a maximum absorbance A_{\max} between 400 and 500 nm and an absorbance A_{ref} at a reference wavelength of 600 nm; (b) preparing a second colour ink by mixing a polymeric dispersant and a pigment having a maximum absorbance A_{\max} between 500 and 600 nm and an absorbance A_{ref} at a reference wavelength of 650 nm; (c) preparing a third colour ink by mixing a polymeric dispersant and a pigment having a maximum absorbance A_{\max} between 600 and 700 nm and an absorbance A_{ref} at a reference wavelength of 830 nm; characterised in that each colour ink is milled until a spectral separation factor SSF larger than 70 with $\text{SSF} = A_{\max}/A_{\text{ref}}$ is measured. An ink-jet ink set obtainable by the above method is also disclosed)

AGFA GEVAERT

PT 06/41/214

EP1674538 - 2006-06-28

Ink comprising casein (a process for printing a porous substrate comprising ink jet printing a colourant and casein onto the substrate to give a print in which the colourant and casein are in contact with each other)

AVECIA LTD

PT 06/41/215

US2006125894 - 2006-06-15 (GB2408743)

Water-based ink set for ink-jet recording and ink-jet recording method (graininess in a low density printed part can be reduced without reducing a colour reproduction range in red and magenta directions in a high density printed part. In addition, the colour reproduction range in the red direction can be extended to improve the vividness of red colour. The water-based ink set for ink-jet recording includes a magenta ink and a red ink. The magenta ink is a light magenta ink having a lightness (L^*) of 50 or more in the $L^*a^*b^*$ colorimetric system. Preferably, the ink set further includes a light cyan ink having a lightness (L^*) of 60 or more and a blue ink and/or a green ink)

BROTHER IND LTD

PT 06/41/216

EP1674540 - 2006-06-28 (US2006132810)

Inkjet inks comprising multi-layer pigments (comprising a vehicle and a multi-layer pigment comprising a core pigment having attached two or more layers of polymer, wherein the core pigment has a positive or negative charge and is a modified pigment or a dispersant-stabilised pigment, wherein the layer of polymer adjacent to the core pigment has a charge opposite to that of the core pigment, and wherein each successive layer of polymer has a charge opposite to that of the preceding adjacent layer)

CABOT CORP

PT 06/41/217

WO2006066131 - 2006-06-22

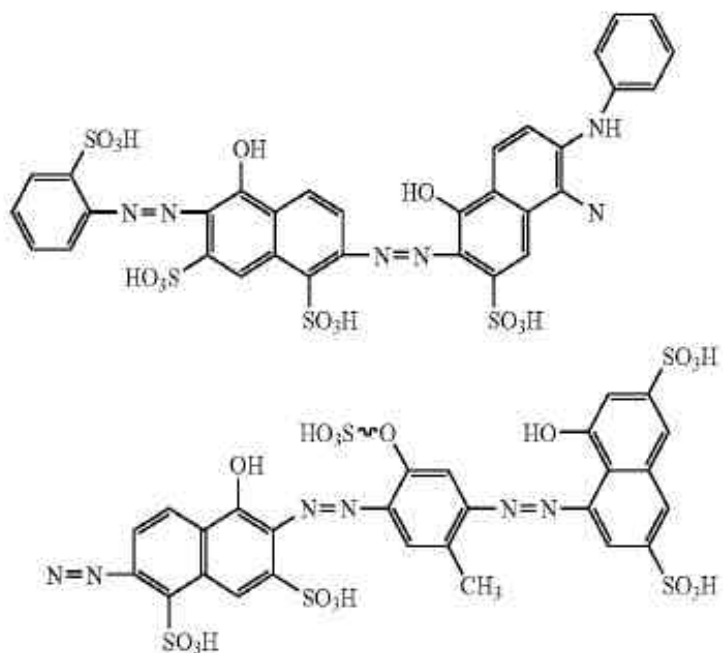
Reaction liquid, set of ink composition and reaction liquid, and image recording method (reaction liquid containing a reactive substance that reacts with at least one component in an ink composition containing a colouring material in a dispersed state, in which the reactive substance is a polyvalent metal compound having multiple reactive sites in one molecule)

CANON KK

PT 06/41/218

US2006125895 - 2006-06-15

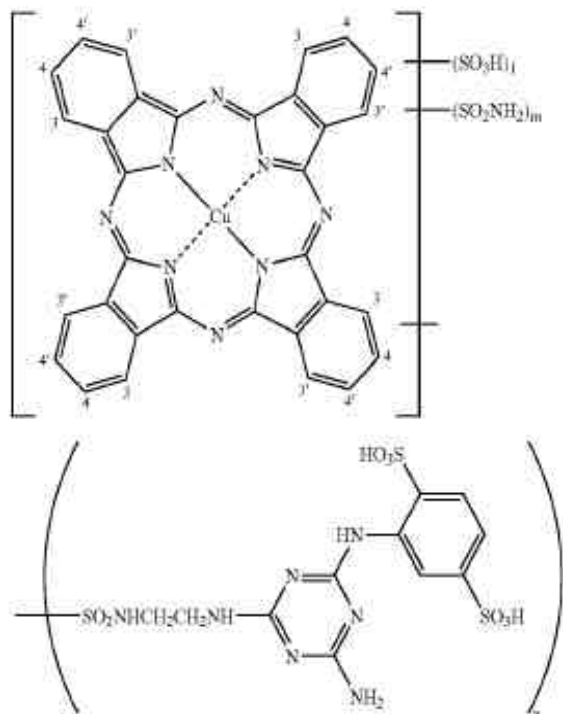
Ink jet ink, method for producing ink jet ink, ink jet recording method and ink cartridge (an ink jet ink includes at least a colouring material. The colouring material is at least one of C.I. Food Black 2 and C.I. Direct Black 195, and a compound represented by the following general formula (I) or a salt thereof)



CANON KK
 US2006137569 - 2006-06-29

PT 06/41/219

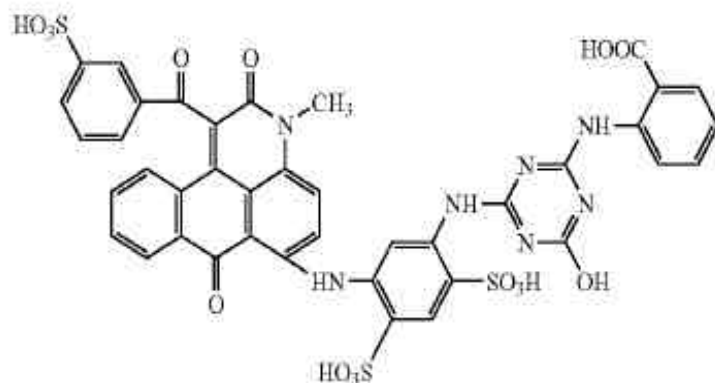
Ink jet ink, method for producing ink jet ink, ink jet recording method and ink cartridge (an ink jet ink includes at least a colouring material. The colouring material is composed of at least one selected from the group consisting of C.I. Acid Blue 9 and a compound having a copper phthalocyanine structure, and a compound represented by the following general formula (I) or a salt thereof)



CANON KK
 US2006137570 - 2006-06-29

PT 06/41/220

Ink jet ink, method for producing ink jet ink, ink jet recording method and ink cartridge (an ink jet ink includes at least a coloring material. The coloring material is composed of at least one selected from the group consisting of C.I. Direct Violet 107, C.I. Acid Red 14, C.I. Acid Red 52, C.I. Acid Red 87 and C.I. Reactive Red 180, and a compound represented by the following general formula or a salt thereof)

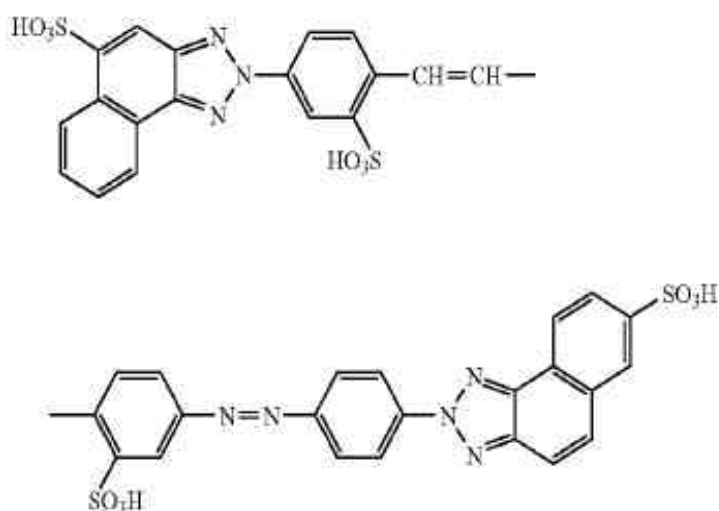


CANON KK

US2006139428 - 2006-06-29

PT 06/41/221

Ink jet ink, method for producing ink jet ink, ink jet recording method and ink cartridge (an ink jet ink includes at least a colouring material. The colouring material is composed of at least one selected from the group consisting of C.I. Direct Yellow 86, C.I. Acid Yellow 23, C.I. Direct Yellow 173, C.I. Direct Yellow 132 and C.I. Direct Yellow 59, and a compound represented by the general formula (I) or a salt thereof)



CANON KK

US2006139429 - 2006-06-29

PT 06/41/222

Liquid, pH-sensitive ink, method and apparatus using the same (a novel liquid composition set is provided for forming an image or pattern by functional substances such as a colourant without causing blurring. Each of the liquid compositions of the set comprises a functional substance, an amphiphilic block copolymer or graft copolymer having an organic acid group, and a liquid medium, wherein the organic acid groups of the copolymers are different in pKa, and the amphiphilic polymer contained in the first liquid composition becomes viscous by pH change on contact with the second liquid composition different in pH from the first liquid composition)

CANON KK

PT 06/41/223

US2006146087 - 2006-07-06

Coating compositions for marking substrates (comprise a colour former in an amount of from 0.01 to 50%, a metal salt of a carboxylic acid in an amount of from 0.01 to 50%, a binder in an amount of from 1 to 80% and an organic solvent in an amount of from 1 to 99%, wherein each amount is by weight based on the weight of the composition. The present invention also provides a process for the preparation of the composition of the present invention, substrates coated with these compositions and a process for preparing a marked substrate using these compositions)

CIBA SC HOLDING AG

PT 06/41/224

WO2006067073 - 2006-06-29

Silver-containing inkjet ink (comprising silver salt (silver ink), and an ink set comprising said silver ink and an ink with reducing agent to reduce the silver in the silver ink. The invention further pertains to an inkjet printing method for printing with the inventive ink set to create metallic silver images (or patterns). The printed silver patterns can be used, for example, in electronics and decorative applications)

DU PONT

PT 06/41/225

WO2006066033 - 2006-06-22

Mixtures of anionic and cationic inks (an ink jet ink set comprising a commonly coloured first aqueous ink and second aqueous ink, wherein the first ink has a cationic colouring agent and the second ink has an anionic colouring agent. It further provides a method of printing said inks)

EASTMAN KODAK CO

PT 06/41/226

WO2006065902 - 2006-06-22 (US2006132565)

Production process of inkjet ink composition and inkjet ink composition (includes dispersion-treating a colouring material in a non-aqueous solvent with a dispersant having no colouring material-dispersing property, the colouring material being covered with a resin insoluble in the non-aqueous solvent)

FUJI PHOTO FILM CO LTD

PT 06/41/227

EP1674536 - 2006-06-28 (US2006139427)

Ink, ink set, processing solution, recording method, recording medium, ink tank, and recording device (an ink at least containing a colourant and an ionic liquid, which is favourably used in the inkjet process. Also provided is an ink set consisting of the ink and/or a processing solution at least containing a flocculant. Also provided is a recording method and a recording device using the ink set, which apply the ink and the processing solution so that the ink and the processing solution contact each other and thus form an image on a recording medium. The ink may contain water and/or an organic solvent)

FUJI XEROX CO LTD

PT 06/41/228

EP1676894 - 2006-07-05 (US200613942)

Patterned application of activated carbon ink (an odour control substrate that is applied with an activated carbon ink is provided. The activated carbon ink is applied in a pattern that covers from about 25% to about 95% of the surface area of the substrate. Although not covering the entire surface, the activated carbon ink is capable of providing good odour reduction qualities to the substrate. To further enhance the aesthetic appeal of the odour control substrate to a consumer, one or more coloured inks may also be applied the substrate in a pattern that may or may not overlap with the activated carbon ink pattern. The coloured ink(s) may contrast well with the activated carbon ink to provide an overall design that is more aesthetically than otherwise would be provided by a uniform coating of activated carbon ink)

KIMBERLY CLARK CO

PT 06/41/229

US2006137568 - 2006-06-29 (WO2006071313)

Nanoparticle based inks and methods of making the same (the present invention provides nanoparticle based recording mediums, inks and ink compositions, methods of making nanoparticle based recording mediums and inks, nanoparticles and methods for making nanoparticles, methods for stabilising colourants against electromagnetic radiation (including radiation in the visible wavelength range), methods for enhancing the substrate independent durability performance of inks, and methods for colour density control. The nanoparticle based inks deliver better colour, colour density control, improved printability, enhanced durability, and increased lightfastness, and are capable of being printed on woven and non-woven fabrics and paper products without special treatment or other limitations)

KIMBERLY CLARK CO

PT 06/41/230

US2006148932 - 2006-07-06

Aqueous pigment dispersion, ink-jet recording ink, and recording method and textile printing method using the same (aqueous pigment dispersion, which comprises water, a pigment, and 30 to 100% by weight, based on the pigment, of a polymeric dispersant produced by neutralising a styrene-(meth)acrylic acid copolymer having an acid value of 160 to 300 mg KOH/g and a weight average molecular weight of 8,000 to 20,000 with an alkali metal hydroxide, and an ink-jet recording ink using the aqueous pigment dispersion)

KIWA CHEMICAL INDUSTRY CO LTD

PT 06/41/231

WO2006061995 - 2006-06-15 (JP2006160950)

Actinic ray curable ink-jet ink and printed matter (comprising a cationically polymerisable compound including a cationically polymerisable epoxy compound and a cationically polymerisable oxetane ring-containing compound, wherein the actinic ray curable ink-jet ink contains the cationically polymerisable epoxy compound in an amount of from 35 to 95% by weight based on the total amount of cationically polymerisable compound, the cationically polymerisable epoxy compound having a solubility parameter (sp value) of from 10 to 20, and the cationically polymerisable oxetane ring-containing compound having a solubility parameter (sp value) of from 5 to 8.0, and wherein the actinic ray curable ink-jet ink has a viscosity at 25°C. of 5 to 50 mPa.s)

KONICA MINOLTA MEDICAL & GRAPH

PT 06/41/232

US2006142409 - 2006-06-29

Image forming method, active ray curing inkjet ink and inkjet recording device (comprises the steps of jetting at least two kinds of active ray curing inkjet ink having different hues onto a recording material from an inkjet recording head, and printing on the recording material, characterized in that, when the difference between at least the viscosity (S-low) at 25°C at a shear rate of 11.7(1/s) of the active ray inkjet ink and the viscosity (S-high) at a shear rate of 1,000(1/s) is $\Delta S(S\text{-low} - S\text{-high})$, the absolute value of the difference in $\Delta S(S\text{-low} - S\text{-high})$ between the two kinds of active ray curing inkjet ink having different hues is at least 5mPas and up to 1,000mPas)

KONICA MINOLTA MEDICAL & GRAPH

PT 06/41/233

WO2006061979 - 2006-06-15

Image forming method and inkjet recording device using photo-curing ink, and ink set, inkjet recording method and inkjet recording device using photo-curing ink (ink containing up to 5 mass% of an initiator is used, and a curing performance is not deteriorated even in the case of a thick film where an ink amount cured by one-time light irradiation is at least 5g/cm² and even in the case of high-speed printing such as by a line printer. An inkjet recording method which enables high-speed recording by imparting photocuring inks of a plurality of colours to a base material and then limiting uncured ink amount on the base material at UV irradiating to an amount that sets UV transmittance at the absorption peak wavelength of a photopolymerising initiator to at least 0.1%)

KONICA MINOLTA MEDICAL & GRAPH

PT 06/41/234

WO2006061981 - 2006-06-15

Actinic radiation curable magenta ink composition, actinic radiation curable ink jet recording magenta ink and method for image formation and ink jet recording apparatus using said ink, and actinic radiation curable printing magenta ink (comprises at least one quinacridone pigment, a dispersant, a photopolymerisable compound, and a photoinitiator. When the actinic radiation curable magenta ink composition is bar coated onto a pore-type medium having a porosity of 50 to 70% and a 60-degree gloss value, as specified in JIS K 5600, of the surface of not less than 30, to form a coating which is then left to stand for 30 min, the 60-degree gloss value as specified in JIS K 5600 is 95 to 140)

KONICA MINOLTA MEDICAL & GRAPH

PT 06/41/235

WO2006062071 - 2006-06-15

Composition capable of cationic polymerisation and actinic energy ray curing and method of image forming using the composition (excels in curability and adhesion to recording materials, and that without detriment to curability, can ensure long term storage stability; and a method of image forming using the composition, in which there can be obtained high-quality images free of blur. There is provided a composition capable of cationic polymerisation and actinic energy ray curing comprising at least a compound capable of cationic polymerisation containing a cationic polymerisation initiator, characterised in that the water content thereof measured by the Karl Fischer method is 2.5 mass %)

KONICA MINOLTA MEDICAL & GRAPH

PT 06/41/236

WO2006064638 - 2006-06-22

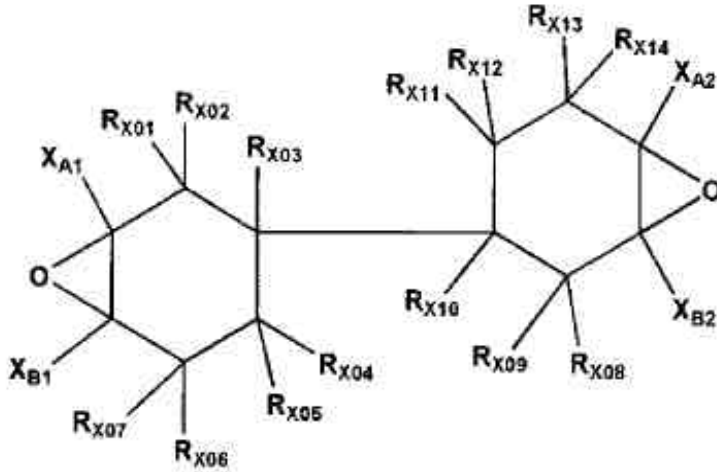
Actinic light hardenable inkjet ink and method of forming image therewith (containing an isoindoline pigment or isoindolinone pigment, a compound of cationic polymerisation, a polymer dispersant having a basic functional group of 5 to 25 mg KOH/g amine value and a photo-acid generator, characterised in that a compound having an oxirane ring is contained as the compound of cationic polymerisation)

KONICA MINOLTA MEDICAL & GRAPH

PT 06/41/237

WO2006064748 - 2006-06-22

Actinic ray curable composition, actinic ray curable ink, method of image forming therewith, inkjet recording apparatus and epoxy compound (characterised by containing, as photopolymerisable compounds, at least one epoxy compound of the following general formula and at least one oxetane compound, and by having a viscosity of 1 to 500 mPas at 25°C)



KONICA MINOLTA MEDICAL & GRAPH

WO2006067927 - 2006-06-29

PT 06/41/238

Active ray-curable inkjet ink and image-forming method using same (inkjet ink comprising a metal complex pigment, a cationically polymerisable compound, a polymer dispersing agent having an amine value of 5-40 mg KOH/g and a basic functional group, and a photoacid generator; which is characterised in that a compound having an oxirane ring is contained as the cationically polymerisable compound. This active ray-curable inkjet ink is good in storage stability, ejectability (continuous discharging property) and curability, and enables to obtain a high-precision image with high density which is free from unevenness in gloss or formation of creases)

KONICA MINOLTA MEDICAL & GRAPH

WO2006068010 - 2006-06-29

PT 06/41/239

UV hardening glass printing ink and UV hardening glass printing lacquer and method for printing a glass substrate (a glass printing ink and a glass printing lacquer comprising at least one pigment, at least one photoinitiator and at least two resins. One resin is an epoxy resin having an average molecular weight based on bisphenol A, diluted in a UV hardening monomer. Another resin is a resin which contains free functional amino, hydroxy, epoxy, acid, acid anhydride and/or acrylate groups. The invention also relates to the use of the glass printing ink and glass printing lacquer when printing a glass substrate and to a method for printing a glass substrate)

MARABUWERKE GMBH & CO KG

EP1675806 - 2006-07-05 (WO2005040055)

PT 06/41/240

Printing ink composition (exerts an excellent anti-blocking effect but also is free from any hickey phenomenon, resolving the problems of plate stain, blanket stain, etc. There is provided a printing ink composition wherein there are dispersed composite particles of 2 to 8µm volume-average particle diameter in which the volume content of solid polymer particles of greater than 10µm particle diameter is not more than 5 vol%. The composite particles each comprise solid polymer particle, such as wax, insoluble in the printing ink and, mainly adhering to the periphery thereof, and inorganic microparticles of 5 to 1000 nm average particle diameter)

MORIMURA CHEMICALS LTD
 WO2006064854 - 2006-06-22

PT 06/41/241

Methods for marking fibrous substrates (the preparation of fibrous substrates, including textiles, marked with colloidal particle nanobar codes, using a particle binder comprising a polycarboxylate, petroleum distillate, one or more sorbitan monooleates, ammonium hydroxide, and water. Also fibrous substrates so prepared, and methods for detecting the nanobar codes on the fibrous substrates for use in quality control, counterfeiting, and the like)

NANO TEX INC
 US2006135682 - 2006-06-22

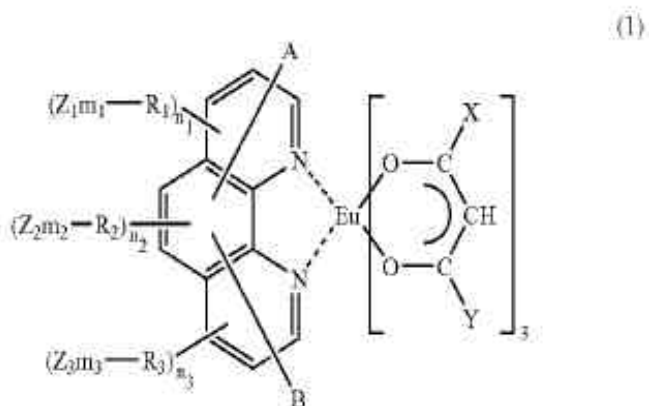
PT 06/41/242

Nano-engineered inks, methods for their manufacture and their applications (nanoparticle dispersions, inks, pastes, lotions and methods of their manufacture are disclosed. Multifunctional, nanocomposite, hollow nanoparticles, and coated nanoparticle dispersions are also discussed)

NANOPRODUCTS CORP
 US2006137567 - 2006-06-29

PT 06/41/243

Europium compounds and ink compositions containing the same (europium compounds represented by the general formula (1) and water-based ink compositions containing the same: wherein X represents an aromatic or heterocyclic group which may have a substituent group, Y represents a fluorohydrocarbon group having 1 to 10 carbon atoms, A and B independently represent a substituent group, Z¹ to Z³ are each independently a group selected from the group consisting of a sulphonic acid group, a carboxyl group, a hydroxyl group and a phosphonic acid group, R¹ to R³ are each independently a direct bond or an optionally substituted divalent hydrocarbon group or heterocyclic group, n₁ to n₃ are each independently an integer of 0 to 2, and m₁ to m₃ are each independently an integer of 1 to 3, with the proviso that all of n₁ to n₃ are not simultaneously 0)



NIPPON KAYAKU KK
 US2006145122 - 2006-07-06

PT 06/41/244

Water-immersion indicator indicia and articles bearing such indicia (indicia applied with an ink composition which comprises two or more colour-changing or colour-forming components which combine, or become diluted, upon exposure to water for a sufficient period of time to cause a change in the appearance of the indicia. Also described are printing ink compositions for forming such indicia and methods for forming such articles)

POLAROID CORP

PT 06/41/245

US2006142156 - 2006-06-29

Water base pigment ink composition for inner lead type writing instrument (do not comprise white coloured inorganic pigments or white coloured resin particles as colouring materials and the content of pigment is 0.5 to 7 wt%, the content of water-soluble resin is 2 to 10 wt% with respect to the total amount of the ink, and the viscosity is 3.5 to 10 mPa.s)

SAKURA COLOR PROD CORP

PT 06/41/246

US2006142418 - 2006-06-29

Aqueous composition for writing and drawing (containing a resin emulsion which has a difference between minimum film-forming temperature (MFFT) and glass transition temperature (T_g) of 15°C or above and which is selected from the group consisting of acrylic resin emulsions, styrene/acrylic resin emulsions and urethane resin emulsions in an amount of 0.01 to 60 wt% in terms of solid matter based on the whole ink composition and one or more adhesive resin emulsions in a total amount of 20% or above in terms of solid matter based on the whole ink composition)

SAKURA COLOR PROD CORP

PT 06/41/247

WO2006064668 - 2006-06-22

Ink composition for a colour filter, a colour filter substrate manufactured using the ink composition and method of manufacturing a colour filter substrate using the ink composition (includes about 100 parts by weight of a pigment dispersion, about 7-65 parts by weight of a thermosetting resin having hydroxyl group at a side chain of the thermosetting resin, about 0.015-1.5 parts by weight of a thermal initiator, about 0.8-15 parts by weight of an epoxy-based resin containing fluorine, and about 15-165 parts by weight of a solvent)

SAMSUNG ELECTRONICS CO LTD

PT 06/41/248

EP1669421 - 2006-06-14 (US2006128832)

Ink composition (comprising at least a polymerisable compound, a photopolymerisation initiator and a polymerisation accelerator, wherein the polymerisable compound comprises an N-vinyl compound, the photopolymerisation initiator comprises two or more compounds selected from the group consisting of bisacylphosphine oxides, monoacylphosphine oxides and α -amino ketones, and the polymerisation accelerator comprises fine particles having a polymerisable functional group. The ink composition of the invention may be a transparent ink composition containing no colouring material. It may further contain a fluorescent whitening agent)

SEIKO EPSON CORP

PT 06/41/249

EP1674537 - 2006-06-28 (US2006160917)

Ultraviolet ray curable ink, ink composition for ink jet and process for preparing ink jet printed matter using the same (the ink comprises a colouring component, a reactive oligomer and/or a reactive prepolymer, a reactive diluent and a photoinitiator, wherein the reactive oligomer and/or reactive prepolymer unit and the reactive diluent unit have a glass transition point of 0° to 70°C., respectively, in a polymer obtained therefrom. An ultraviolet ray curable ink composition having a viscosity of 60 to 800 cps at 25°C. which comprises a colouring component, a reactive diluent, a photoinitiator and an oligomer and/or reactive prepolymer having compatibility with the reactive diluent is used. The ink composition is heated to 40° to 150°C. and applied to a recording medium and cured by ultraviolet rays)

SEIREN CO LTD

US2006127591 - 2006-06-15

PT 06/41/250

Liquid cartridge containing recording liquid, liquid delivery apparatus and delivery method. (recording liquid comprises colouring matter, a solvent for dissolving or dispersing the colouring matter, and a water soluble organic solvent of which the peak appearance time in a penetration characteristic curve for plain paper having a Cobb30 value, specified in JIS P 8140:1998 and measured with an ultrasonic transmission dynamic liquid penetration measuring device, of $22 \pm 2 \text{ g/m}^2$ is not less than 0.1 sec and not more than 0.5 sec. The water soluble organic solvent is any of 2-ethyl-2-propyl-1,3-propanediol, 2-methyl-2-butyl-1,3-propanediol, 2-methyl-2-propyl-1,3-propanediol, 2,2-diethyl-1,3-propanediol, 2-methyl-2-ethyl-1,3-propanediol, and 2-propyl-1,4-butanediol)

SONY CORP

WO2006068018 - 2006-06-29

PT 06/41/251

Hot melt flexographic ink compositions and methods of preparing same (solvent-free hot melt coating compositions composed of a solid linear alcohol, a thermoplastic binder, and a wax which are solid at room temperature, with a melting point of about 75°C or greater, that when heated to a temperature between about 90°C and about 135°C, forms a molten coating composition having a viscosity between 100 cps and 1200 cps and method for preparing same)

SUN CHEMICAL CORP

WO2006062523 - 2006-06-15

PT 06/41/252

Heterogeneous reactive ink composition (includes a colourant, a reactive polymer latex such as an epoxy copolymer latex, an optional dissipatable polymer, a dispersant such as a sulphonated polyester, and a liquid vehicle such as water. The ink composition is a stable liquid at ambient temperature, but becomes a gel upon heating or removal of part of the liquid vehicle)

XEROX CORP

EP1669422 - 2006-06-14 (US2006128830)

PT 06/41/253

Curable phase change ink composition (comprise one or more radiation curable oil soluble components and one or more thermal solvents are provided, as well as methods of preparing such ink compositions and methods of using such ink compositions)

XEROX CORP

EP1674539 - 2006-06-28

PT 06/41/254

Polymer particles containing a cross-linked polymer core and a linear non-cross-linked polymer shell, and toner formed therefrom (polymer particles comprising a crosslinked polymer core and a linear non-crosslinked polymer shell may be formed by emulsion polymerisation. The polymer particles may be used in forming toner)

XEROX CORP

PT 06/41/255

US2006135650 - 2006-06-22

Cured compositions containing fine magnetic particles and a process for preparing same and their use (a dispersion composition comprising (1) a curable mixture of monomers, oligomers, or a combination thereof; and (2) superparamagnetic particles dispersed in the mixture of part (1) and a method for preparing such superparamagnetic particles. The composition of the present invention can be useful as a tool for detecting and/or deterring theft, counterfeiting, or the like in commercial transactions)

XU J; OTHERS (Inventors)

PT 06/41/256

US2006142419 - 2006-06-29