CPC COOPERATIVE PATENT CLASSIFICATION

D TEXTILES; PAPER

TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D06 TREATMENT OF TEXTILES OR THE LIKE; LAUNDERING; FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D06P DYING OR PRINTING TEXTILES; DYING LEATHER, FURS, OR SOLID MACROMOLECULAR SUBSTANCES IN ANY FORM (for mechanical matters D06B, D06C; surface treatment of fibres or filaments from glass, minerals or slags C03C 25/00)

WARNING

The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

D06P 3/84 covered by D06P 3/82
D06P 3/85 covered by D06P 3/82
D06P 3/852 covered by D06P 3/82
D06P 3/87 covered by D06P 3/82
D06P 3/872 covered by D06P 3/82
D06P 3/874 covered by D06P 3/82
D06P 5/24 - D06P 5/28 covered by D06P 5/003 and s.gr.

1/00 General processes of dyeing or printing textiles, or general processes of dyeing leather, furs, or solid macromolecular substances in any form, classified according to the dyes, pigments, or auxiliary substances employed

1/0004 . . [General aspects of dyeing]
1/0008 . . . [Dyeing processes in which the dye is not specific (waste liquors)]
1/0012 . . . [Effecting dyeing to obtain luminescent or phosphorescent dyes]
1/0016 . . . [Dye baths containing a dyeing agent in a special form such as for instance in melted or solid form, as a floating film or gel, spray or aerosol, or atomised dyes]
1/002 . . . [Processing by repeated dyeing, e.g. in different baths]
1/0024 . . [Dyeing and bleaching in one process]
1/0028 . . [Dyeing with a coagervate system]
1/0032 . . [Determining dye recipes and dyeing parameters; Colour matching or monitoring]
1/0036 . . [Dyeing and sizing in one process]
1/004 . . [Dyeing with phototropic dyes; Obtaining camouflage effects]
1/0044 . . [Dyeing with a dye in volatilised form]
1/0048 . . . [Converting dyes in situ in a non-appropriate form by hydrolysis, saponification, reduction with split-off of a substituent]
1/0052 . . [Dyeing with polymeric dyes]
1/0056 . . [Dyeing with polymeric dyes involving building the polymeric dyes on the fibres (dyes per se C09B)]
1/006 . . . [by using dyes with polymerisable groups, e.g. dye --CH=CH2]
1/0064 . . . [by using reactive polyfunctional compounds, e.g. crosslinkers]
1/0068 . . . [Non-heterocyclic compounds]

1/0072 . . . [Heterocyclic compounds]
1/0076 . . [Dyeing with mineral dye]
1/008 . . [Preparing dyes in situ (D06P 1/12, D06P 1/145 take precedence)]
2001/0084 . [Non-aqueous dyeing in an inorganic medium]
2001/0088 . [Aqueous dyeing characterised by a short bath ratio]
1/0092 . . . [Foam dyeing]
1/0096 . . [Multicolour dyeing]
1/02 . . using azo dyes (D06P 1/18, D06P 1/38, D06P 1/39, D06P 1/41 take precedence)
1/04 . . not containing metal
1/06 . . . containing acid groups
1/08 . . . cationic azo dyes
1/10 . . . containing metal
1/12 . . prepared in situ
1/122 . . . [the textile material containing one component]
1/125 . . . [one or both of the components having fibre-reactive groups]
1/127 . . . [using a stabilised diazo component, e.g. diazoamino, anti-diazotate or nitrosamine R-N=N-OK, diazosulfonate, hydrazinesulfonate, R-N=N-N-CN]
1/13 . . using azomethine dyes
1/14 . . using phthalocyanine dyes without vatting (D06P 1/38, D06P 1/40 take precedence)
1/145 . . . [using phthalocyanine dyes prepared in situ]
1/16 . . using dispersed, e.g. acetate, dyestuffs
1/18 . . . Azo dyes
1/19 . . . Nitro dyes
1/20 . . . Anthraquinone dyes
1/22 . . . using vat dyestuffs (including indigo)
1/221 . . . [Reducing systems; Reducing catalysts]
1/222 . . . [Oxidising agents]
1/224 . . . [using vat dyes in unreduced pigment state]
1/225 . . . [using acid vat method]
1/227 . . . [Specific dyes not provided for in groups D06P 1/228 - D06P 1/28]
1/228 . . . [Indigo]
1/24 . . . Anthraquinone dyes [or anthracene nucleus containing vat dyes]
1/26 . . . Phthalocyanine dyes
1/28 . . . Esters of vat dyestuffs
1/30 . . . using sulfur dyes
1/305 . . . [SO$_2$H-groups containing dyes]
1/32 . . . using oxidation dyes
1/34 . . . using natural dyestuffs
1/36 . . . using mordant dyes [; using metallisable dyes]
1/38 . . . using reactive dyes
1/382 . . . reactive group directly attached to heterocyclic group
1/384 . . . reactive group not directly attached to heterocyclic group
1/39 . . . using acid dyes
1/40 . . . using acid dyes without azo groups
1/41 . . . using basic dyes
1/42 . . . using basic dyes without azo groups
1/44 . . . using insoluble pigments or auxiliary substances, e.g. binders
1/445 . . . [Use of auxiliary substances before, during or after dyeing or printing]
1/46 . . . using compositions containing natural macromolecular substances or derivatives thereof
1/48 . . . Derivatives of carbohydrates
1/50 . . . Derivatives of cellulose
1/52 . . . using compositions containing synthetic macromolecular substances (D06P 1/60 takes precedence)
1/5207 . . . [Macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds]
1/5214 . . . [Polymers of unsaturated compounds containing no COOH groups or functional derivatives thereof]
1/5221 . . . . [Polymers of unsaturated hydrocarbons, e.g. polystyrene polynylkylene]
1/5228 . . . . [Polynalylethyl alchols, e.g. PVA]
1/5235 . . . . [Polyalkyenyl halides, e.g. PVC]
1/5242 . . . . [Polymers of unsaturated N-containing compounds]
1/525 . . . . [Polymers of unsaturated carboxylic acids or functional derivatives thereof]
1/5257 . . . . . [(Meth)acrylic acid]
1/5264 . . . . . [Macromolecular compounds obtained otherwise than by reactions involving only unsaturated carbon-to-carbon bonds]
1/5271 . . . . . [Polysteresters; Polycarbonates; Alkyd resins]
1/5278 . . . . . [Polynamides; Polymimides; Polylactames; Polynylkyleneimines]
1/5285 . . . . . [Polyureethanes; Polyurea; Polyguanides]
1/5292 . . . . . [containing Si-atoms]
1/54 . . . Substances with reactive groups together with crosslinking agents
1/56 . . . Condensation products or precondensation products prepared with aldehydes
1/58 . . . . . together with other synthetic macromolecular substances
1/60 . . . . . using compositions containing polymeric substances
1/607 . . . . . Nitrogen-containing polymeric substances [or their quaternary derivatives]
1/6073 . . . . . [containing CON=, OCON=, SO$_2$N=, OSO$_2$N= groups]
1/6076 . . . . . [addition products of amines and alkylene oxides or oxiranes]
1/613 . . . . . Polymers without nitrogen
1/6131 . . . . . [Addition products of hydroxyl groups-containing compounds with oxiranes]
1/6133 . . . . . [from araliphatic or aliphatic alcohols]
1/6135 . . . . . [from aromatic alcohols or from phenols, naphthols]
1/6136 . . . . . [Condensation products of esters, acids, oils, oxycoids with oxiranes]
1/6138 . . . . . [Polymerisation products of glycols, e.g. Carbowax, Pluronics]
1/62 . . . . . using compositions containing low-molecular-weight organic compounds with sulfate, sulfonate, {sulfenic or sulfinic} groups
1/621 . . . . . [Compounds without nitrogen]
1/622 . . . . . . [Sulfonic acids or their salts]
1/623 . . . . . . [Alicyclic, alarphatic or cycloaliphatic]
1/625 . . . . . . [Aromatic]
1/626 . . . . . . [Sulfocarboxylic acids]
1/627 . . . . . . [Sulfates]
1/628 . . . . . . [Compounds containing nitrogen]
1/64 . . . . . using compositions containing low-molecular-weight organic compounds without sulfate or sulfonate groups
1/642 . . . . . Compounds containing nitrogen
1/6421 . . . . . . [Compounds containing nitrile groups]
1/6422 . . . . . . [Compounds containing nitro or nitroso groups]
1/6423 . . . . . . [Compounds containing azide or oxime groups]
1/6424 . . . . . . [Compounds containing isocyanate or isothiocyanate groups]
1/6425 . . . . . . [Compounds containing hydrazine or azo groups]
1/6426 . . . . . . [Heterocyclic compounds]
1/6427 . . . . . . [Compounds containing sulfonamide groups]
1/6428 . . . . . . [Compounds containing aminoxide groups]
1/6429 . . . . . . [bound to a six-membered aromatic carbocyclic ring]
1/645 . . . . . . Aliphatic, alicyclic or cyclaliphatic compounds containing amino groups
1/647 . . . . . . Nitrogen-containing carboxylic acids or their salts
1/649 . . . . . . Compounds containing carboxamides, thiocarboxamides or guanil groups
1/6491 . . . . . . [(Thio)urea or cyclic derivatives]
1/6492 . . . . . . [(Thio)urethanes; (Di(thio)carbamic acid derivatives; Thiuramdisulfide]
1/6493 . . . . . . [Carbodiimides (N$_2$=C=N$_2$)]
1/6494 . . . . . . [Compounds containing a guanil group R-C=N, e.g. (bi)guanadine, dicyandiamid amidines]
1/6495 . . . . . . [Compounds containing carboxamide - RCON= (R=H or hydrocarbons)]
Compounds containing ammonium groups (sulfocarboxylic acids D06P 1/626)

Nitrogen-free carboxylic acids or their salts containing silicon

Salts or oxidising-compounds mixtures

Compounds containing phosphonium groups

Compounds containing sulfonium groups

Compounds containing -CONCO-, e.g. polyamines

Phthalimides, hydantoine; Compounds containing RCONHSO

Amides of di- or polyamines; Acylated phthalimides, hydantoine; Compounds containing RCONHSO_2R (R=H or hydrocarbon)

Compounds without nitrogen

Anions different from those provided for in alkaline or alkaline-earth metals with anions containing RCONHSO_2R (R=H or hydrocarbon)

Phosphotungstic, molybdotungstic

Complex acids, e.g. phosphomolybdic, phosphostannic, molybdatungstic

Dyeing characterised by a short bath ratio

Material containing basic nitrogen

Dyeing and degumming silk

Preparation of dyeing liquors

Preparation of reactive dyes

Using reactive dyes, e.g. metallosilicates

Using dispersed dyes

Using metallisable or mordant dyes

Dyeing and degumming silk

Preparation of reactive dyes

Dyeing other than hydrocarbons

Dyeing other than hydrocarbons

Using dispersed dyes

Using metallisable or mordant dyes

Dyeing other than hydrocarbons

Using reactive dyes

Dyeing other than hydrocarbons

Using dispersed dyes

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Dyeing other than hydrocarbons

Using reactive r
3/24 . . . Polyamides; Polyurethanes
3/241 . . . [using acid dyes]
3/242 . . . [using basic dyes]
3/243 . . . [using vat or sulfur dyes, indigo]
3/245 . . . [using metallisable or mordant dyes]
3/246 . . . [using polymeric dyes]
3/247 . . . [preparing non-azo dyes on the material]
3/248 . . . [using reactive dyes]
3/26 . . . Preparing dispersed dyestuffs
3/28 . . . Preparing azo dyes on the material
3/30 . . . furs [feathers, dead hair, furskins, pelts]
3/3008 . . . [using acid dyes]
3/3016 . . . [using monoazo acid dyes]
3/3025 . . . [dis-polyazo acid dyes]
3/3033 . . . [using basic dyes]
3/3041 . . . [using vat, sulfur or indigo dyes]
3/305 . . . [with oxidation dyes]
3/3058 . . . [using metallisable or mordant dyes]
3/3066 . . . [using polymeric dyes]
3/3075 . . . [preparing azo dyes on the material]
3/3083 . . . [preparing non-azo dyes on the material]
3/3091 . . . [using reactive dyes]
3/32 . . . leather [skins]
3/3206 . . . [using acid dyes]
3/3213 . . . [monoazo]
3/322 . . . [using monoazo premetallised dyes]
3/3226 . . . [dis-polyazo]
3/3233 . . . [using dis-polyazo premetallised dyes]
3/324 . . . [using basic dyes]
3/3246 . . . [using vat, sulfur or indigo dyes]
3/3253 . . . [using oxidation dyes]
3/326 . . . [using metallisable or mordant dyes]
3/3266 . . . [using polymeric dyes]
3/3273 . . . [preparing azo dyes on the material]
3/328 . . . [preparing non-azo dyes on the material]
3/3286 . . . [using reactive dyes]
3/3293 . . . [mineral dyeing]
3/34 . . . Material containing ester groups (D06P 3/04 takes precedence)
3/341 . . . [using acid dyes]
3/342 . . . [using basic dyes]
3/343 . . . [using vat or sulfur dyes]
3/345 . . . [using metallisable or mordant dyes]
3/346 . . . [using polymeric dyes]
3/347 . . . [preparing non-azo dyes on the material]
3/348 . . . [using reactive dyes]
3/36 . . . using dispersed dyestuffs
3/38 . . . Preparing azo dyes on the material
3/40 . . . Cellulose acetate
3/401 . . . [using acid dyes]
3/402 . . . [using basic dyes]
3/403 . . . [using vat or sulfur dyes]
3/405 . . . [using metallisable or mordant dyes]
3/406 . . . [using polymeric dyes]
3/407 . . . [preparing non-azo dyes on the material]
3/408 . . . [using reactive dyes]
3/42 . . . using dispersed dyestuffs
3/44 . . . Preparing azo dyes on the material
3/46 . . . Cellulose triacetate
3/461 . . . [using acid dyes]
3/462 . . . [using basic dyes]
Substances in any form dyeing leather, furs, or solid macromolecular materials in dyeing or printing textiles, or other features in dyeing or printing textiles, or

NOTE

A compound is always classified in the last appropriate place.

NOTE

In groups D06P 5/04 - D06P 5/10 a compound is always classified in the last appropriate place.

5/04  .  with organic compounds
5/06  .  containing nitrogen
5/08  .  macromolecular
5/10  .  with compounds containing metal