D06P

DYEING OR PRINTING TEXTILES; DYEING LEATHER, FURS OR SOLID MACROMOLECULAR SUBSTANCES IN ANY FORM

NOTE
This subclass does not cover treatment of textiles by purely mechanical means, which is covered by subclasses D06B, D06C.

WARNINGS
1. 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 3/86 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.

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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

1/004 . . [General aspects of dyeing]
1/008 . . [Dyeing processes in which the dye is not specific (waste liquors)]
1/0012 . . [Effecting dyeing to obtain luminescent or phosphorescent dyeings]
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 coacervate 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]
2001/0092 . . [Foam dyeing]
1/0096 . . [Multicolour dyeing]
1/002 . . [using azo dyes (D06P 1/18, D06P 1/38, D06P 1/39, D06P 1/41 take precedence)]
1/004 . . [not containing metal]
1/006 . . [containing acid groups]
1/008 . . [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. dıazoamino, anti-diazotate or nitrosamine R-N=N-OK, diazosulfonate, hydrazinesulfonate, R-N=N-N-CN]
1/13 . . [using azomethine dyes]
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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,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 polychloroprene]
1/5228 . [Polyalkenyl alcohols, e.g. PVA]
1/5235 . [Polyalkenyl 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]
1/5274 . [Polysteres; Polycarbonates; Alkyd resins]
1/5278 . . . [Polyamides; Polyimides; Polylactams; Polyalkyleneimines]
1/528 . . . [Polyurethanes; Polyurea; Polyguanides]
1/5292 . . . [containing Si-atoms]
1/54 . Substances with reactive groups together with crosslinking agents
1/56 . Condensation products or preconditioning products prepared with aldehydes
1/58 . . . together with other synthetic macromolecular substances
1/60 . using compositions containing polyethers
1/607 . Nitrogen-containing polyethers [or their quaternary derivatives]
1/6073 . . . [containing CON=, OCON=, SO,N=, OSO,N= groups]
1/6076 . . . [addition products of amines and alkylene oxides or oxiranes]
1/613 . Polyethers 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, oxycarboxylic oxiranes]
1/6138 . . . . . [Polymerisation products of glycols, e.g. Carbowax, Pluronics]
1/62 . using compositions containing low-molecular-weight organic compounds with sulfate, sulfonate, {sulfonic or sulfinic} groups
1/621 . . . . [Compounds without nitrogen]
1/622 . . . . [Sulfonic acids or their salts]
1/623 . . . . . [Aromatic, alaraphatic 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 nitrite 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 carboxyclic ring]
1/645 . . . . . [Aliphatic, alaraphatic or cycloaliphatic compounds containing amino groups]
1/647 . . . . . [Nitrogen-containing carboxylic acids or their salts]
1/649 . . . . . [Compounds containing carbonamide, thiocarbonamide or guanyl groups]
1/6491 . . . . . [(Thio)urea or (cyclic) derivatives]
Organo-phosphorus compounds
Compounds containing ammonium groups
{(sulfocarboxylic acids D06P 1/626)}
Nitrogen-free carboxylic acids or their salts
{(Compounds containing -CONCO-, e.g. phthalimides, hydantoine; Compounds containing RCONHSO₂R (R=H or hydrocarbon)}
Compounds without nitrogen
{Compounds containing acid anhydride or acid halide groups}
{Hydrocarbons}
{Halogen-containing hydrocarbons}
{Hydrocarbons without halogen}
{Sulfur-containing compounds}
{Compounds containing thiaoaldehyde or thioacetone groups}
{Compounds containing thiol groups}
{Compounds containing sulfide or disulfide groups}
{Compounds containing sulfite or sulfonyl groups}
Nitrogen-free carboxylic acids or their salts
{(sulfocarboxylic acids D06P 1/626)}
{Aliphatic, araliphatic or cycloaliphatic}
{Compounds containing ammonium groups}
{Compounds containing sulfonium groups}
{Compounds containing quaternary ammonium groups}
{Organophosphorus compounds}
{Inorganic compounds}
{Hydroxylamine or derivatives thereof}
{Acids}
{Complex acids, e.g. phosphomolybdic, phosphostungic, molybdotungstic}
{Salts or hydroxides (hydroxylamines D06P 1/6308)}
{of elements different from the alkaline or alkaline-earth metals or with anions containing those elements (D06P 1/67383 takes precedence)}
{of alkaline or alkaline-earth metals with anions different from those provided for in D06P 1/67341]}
{Halides or oxyhalides}
{Phosphates or polyphosphates}
{with sulfur-containing anions (sulfates D06P 1/6735)}
{containing silicon}
{Salts or oxidising-compounds mixtures}
{using dyes dissolved in inorganic solvents}
{using dyes dissolved in organic solvents or aqueous emulsions thereof (D06P 1/94 takes precedence)}
{Hydrocarbons}
{Halogenated hydrocarbons}
{Non-halogenated hydrocarbons}
{Solvents other than hydrocarbons}
{using specified dyes}
{in organic solvents}
{hydrocarbons}
{Halogenated hydrocarbons}
{Non-halogenated hydrocarbons}
{Solvents other than hydrocarbons}
{using dyes dissolved in solvents which are in the supercritical state}
{Dyeing characterised by a short bath ratio}
{Foam dyeing (mechanical features D06B 19/0094)}
3/00 Special processes of dyeing or printing textiles, or dyeing leather, furs, or solid macromolecular substances in any form, classified according to the material treated
{using acid dyes}
{using basic dyes}
{using vat or sulfur dyes}
{using dispersed dyes}
{using metallisable or mordant dyes}
{using polymeric dyes}
{preparing dyes in situ}
{using reactive dyes}
Material containing basic nitrogen
{using acid dyes}
{using basic dyes}
{using vat or sulfur dyes}
{using dispersed dyes}
{using metallised dyes}
{using polymeric dyes}
{preparing dyes in situ}
{using reactive dyes}
containing amide groups
{using basic dyes}
{using vat or sulfur dyes}
{using dispersed dyes}
{using metallised dyes}
{using polymeric dyes}
{preparing non-azo dyes on the material}
{using acid dyes}
{using oxidation dyes}
{using reactive dyes}
{Preparing azo dyes on the material}
{Wool}
{using vat or sulfur dyes}
{using dispersed dyes}
{using polymeric dyes}
{Preparation of azo dyes on the material}
{using acid dyes}
{using oxidation dyes}
{using reactive dyes}
{Preparing azo dyes on the material}
{Wool}
{using vat or sulfur dyes}
{using dispersed dyes}
{using polymeric dyes}
{Preparation of azo dyes on the material}
Preparing azo dyes on the material using dispersed dyestuffs

3/26 . . . . [preparing non-azo dyes on the material]
3/28 . . . . Preparing azo dyes on the material
3/30 . . . . furs { feathers, dead hair, furskins, pelts }
3/3008 . . . . [using acid dyes]
3/3016 . . . . [using monazo 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]
5/00 Other features in dyeing or printing textiles, or dyeing leather, furs, or solid macromolecular substances in any form

5/001 [Special chemical aspects of printing textile materials]
5/002 [Locally enhancing dye affinity of a textile material by chemical means]
5/003 [Transfer printing]
5/004 [using subliming dyes]
5/005 [on resin-treated fibres]
5/006 [using specified dyes]
5/007 [using non-subliming dyes]
5/008 [Migrating dyes]
5/009 [Non-migrating dyes]

5/02 . After-treatment

NOTE
In groups D06P 5/04 - D06P 5/10 a compound is always classified in the last appropriate place.
7/00 Dyeing or printing processes combined with mechanical treatment
7/005 [Dyeing combined with texturising or drawing treatments]