

CPC**COOPERATIVE PATENT CLASSIFICATION****B41C**

PROCESSES FOR THE MANUFACTURE OR REPRODUCTION OF PRINTING SURFACES (photomechanical processes for producing printing surfaces G03F; photoelectrical processes for producing printing surfaces G03G)

B41C 1/00**Forme preparation****B41C 1/003**

- . {the relief or intaglio pattern being obtained by imagewise deposition of a liquid, e.g. by an ink jet}

B41C 1/006

- . {the relief or intaglio pattern being obtained by abrasive means, e.g. by sandblasting}

B41C 1/02

- . Engraving; Heads therefor (recording on record carriers, heads therefor [G11B](#))

B41C 1/025

- .. {characterised by means for the liquid etching of substrates for the manufacturing of relief or intaglio printing forms, already provided with resist pattern}

NOTE

Attention is drawn to the title of class [B41](#) and to subclass [H04N](#), in particular to the Notes following the title of that subclass and to the group [H04N 1/00](#)

B41C 1/04

- .. using heads controlled by an electric information signal

B41C 1/045

- ... Mechanical engraving heads

B41C 1/05

- ... Heat-generating engraving heads, e.g. laser beam, electron beam

NOTE

[B41C 1/10](#) and [B41C 1/14](#)

B41C 1/055

- . Thermographic processes for producing printing formes{e.g. with a thermal print head}([B41C 1/02](#) takes precedence; { fabrication of relief or intaglio plates by ablative recording with a laser beam[B41C 1/05](#) ; production of lithographic forms[B41C 1/10](#) ; producing of screen printing forms or stencils[B41C 1/14](#)})

B41C 1/06

- . Transferring ([B41C 1/10](#), [B41C 1/18](#) take precedence)

B41C 1/08

- . by embossing, e.g. with a typewriter (typewriters adapted therefor [B41J 3/38](#))

B41C 1/10

- . for lithographic printing; Master sheets for transferring a lithographic image to the forme { chemical or electrical pretreatment [B41N 3/03](#)}(neutralising or similar differentiation treatments of lithographic printing formes [B41N 3/08](#))

B41C 1/1008

- .. {by removal or destruction of lithographic material on the lithographic support, e.g. by laser or spark ablation; by the use of materials rendered soluble or insoluble by heat exposure, e.g. by heat produced from a light to heat transforming system; by on the press exposure or on the press development, e.g. by the fountain of photolithographic materials}

B41C 1/1016

- ... { characterised by structural details, e.g. protective layers, backcoat layers,

- B41C 3/04 . to produce rubber printing blocks
- B41C 3/06 . to produce printing blocks from plastics
- B41C 3/08 . Electrotyping; Application of backing layers thereon

B41C 2201/00 **Location, type or constituents of the non-imaging layers in lithographic printing formes**

- B41C 2201/02 . Cover layers; Protective layers
- B41C 2201/04 . Intermediate layers
- B41C 2201/06 . Backcoats; Back layers
- B41C 2201/10 . characterised by inorganic compounds, e.g. pigments
- B41C 2201/12 . characterised by non-macromolecular organic compounds
- B41C 2201/14 . characterised by macromolecular organic compounds, e.g. binder, adhesives

B41C 2210/00 **Preparation or type or constituents of the imaging layers, in relation to lithographic printing forme preparation**

- B41C 2210/02 . Positive working, i.e. the exposed (imaged) areas are removed
- B41C 2210/04 . Negative working, i.e. the non-exposed (non-imaged) areas are removed
- B41C 2210/06 . Developable by an alkaline solution
- B41C 2210/08 . Developable by water or the fountain solution
- B41C 2210/10 . Developable by an acidic solution
- B41C 2210/12 . Developable by an organic solution
- B41C 2210/14 . Multiple imaging layers
- B41C 2210/20 . characterised by inorganic additives, e.g. pigments, salts
- B41C 2210/22 . characterised by organic non-macromolecular additives, e.g. dyes, UV-absorbers, plasticisers
- B41C 2210/24 . characterised by a macromolecular compound or binder obtained by reactions involving carbon-to-carbon unsaturated bonds, e.g. acrylics, vinyl polymers

- B41C 2210/26 . characterised by a macromolecular compound or binder obtained by reactions not involving carbon-to-carbon unsaturated bonds
- B41C 2210/262 . . Phenolic condensation polymers, e.g. novolacs, resols
- B41C 2210/264 . . Polyesters; Polycarbonates
- B41C 2210/266 . . Polyurethanes; Polyureas