

Title (en)

Liquid-permeable suction mould for use in the manufacture of articles of pulp, and method for making such a mould

Title (de)

Flüssigkeitsdurchlässiger Saugform zur Herstellung von Formkörper aus Faserstoff, sowie Verfahren zur Herstellung einer solchen Form

Title (fr)

Moule à aspiration et perméable aux liquides destiné à la fabrication d'objets en pulpe, et procédé de fabrication de ce moule

Publication

EP 0857822 A1 19980812 (EN)

Application

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Priority

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Abstract (en)

In a suction mould (1) comprising a mould-surface structure (4) having openings (4") allowing passage of the liquid but not of the fibres, in the form of closely spaced through-going ducts supported against the force of the suction by a backing structure (5), and adapted to be connected to a source (not shown) of sub-atmospheric pressure, for making a thin-walled article (not shown) by aspirating said slurry against the surface of the mould, the novel feature is that the mould-surface structure (4) and the backing structure (5) are integral parts of a common coherent body. With this arrangement, no separate backing structure is needed, making it possible, preferably by using novel methods of selective hardening of plastic materials, to manufacture moulds quickly and at low cost, making it more economical than previously to adapt the slurry-casting machine (not shown), in which the mould (1) is used, to the quickly changing requirements of the market. <IMAGE>

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D21J 5/00

IPC 8 full level

D21J 5/00 (2006.01)

CPC (source: EP)

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Citation (search report)

- [XY] US 2264146 A 19411125 - NEWTON CRANE
- [Y] DE 1258586 B 19680111 - TSCHIRA & CIE GES MIT BESCHRAE
- [DY] GB 2283966 A 19950524 - BOWATER PLC [GB]
- [DY] EP 0719894 A2 19960703 - SINTOKOGIO LTD [JP]
- [A] EP 0559491 A1 19930908 - NGK INSULATORS LTD [JP]

Cited by

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EP 0857822 A1 19980812; AU 5749898 A 19980826; DE 69808321 D1 20021031; DE 69808321 T2 20030522; EP 1015696 A1 20000705; EP 1015696 B1 20020925; WO 9835097 A1 19980813

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