

Title (en)

METHOD FOR MAKING A TOOL FOR FORMING A MATERIAL AND TOOL OBTAINABLE BY SAID METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES WERKZEUGS ZUM FORMEN VON WERKSTOFF UND DANACH HERGESTELLTES WERKZEUG

Title (fr)

PROCEDE DE REALISATION D UN OUTIL DESTINE AU FORMAGE D UNE MATIERE ET OUTIL SUSCEPTIBLE D ETRE REALISE PAR CE PROCE DE

Publication

EP 1525062 A1 20050427 (FR)

Application

EP 03755631 A 20030725

Priority

- FR 0302352 W 20030725
- FR 0209523 A 20020726

Abstract (en)

[origin: WO2004011171A1] The invention concerns a method for making a material-shaping tool, in particular by hot pressing or injection moulding. The tool (2) consists of an integral assembly of sections (35, 36, 37, 38, 39, 40) mutually adjacent along junction surfaces (41, 42, 43, 44, 45, 46, 47, 48, 49, 50). Grooves (51, 52, 55, 56, 58, 59) provided in said junction surfaces (41, 42, 43, 44, 45, 46, 47, 48, 49, 50) and passages (53, 54, 57, 30, 62, 63, 64, 65, 66, 67) provided through said sections (36, 37, 38, 39) define a circuit (13) for circulating a heating medium. Each section (36, 37, 38, 39, 40) can be designed and produced, for example by moulding or machining in a bloc of heat-conducting material, so as to ensure an optimal configuration of the heating medium circuit (13) in the tool (2).

IPC 1-7

B21D 37/16; **B21D 22/20**; **B29C 45/73**

IPC 8 full level

B21D 22/20 (2006.01); **B21D 37/16** (2006.01); **B23P 15/00** (2006.01); **B23P 15/24** (2006.01); **B29C 45/73** (2006.01); **B29C 33/38** (2006.01)

CPC (source: EP US)

B21D 22/201 (2013.01 - EP US); **B21D 22/208** (2013.01 - EP US); **B21D 37/16** (2013.01 - EP US); **B23P 15/007** (2013.01 - EP US); **B23P 15/24** (2013.01 - EP US); **B29C 45/7312** (2013.01 - EP US); **B29C 33/3842** (2013.01 - EP US)

Citation (search report)

See references of WO 2004011171A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2842753 A1 20040130; **FR 2842753 B1 20050311**; AU 2003273471 A1 20040216; CA 2493801 A1 20040205; CN 1318158 C 20070530; CN 1700960 A 20051123; EP 1525062 A1 20050427; US 2006138698 A1 20060629; WO 2004011171 A1 20040205

DOCDB simple family (application)

FR 0209523 A 20020726; AU 2003273471 A 20030725; CA 2493801 A 20030725; CN 03820660 A 20030725; EP 03755631 A 20030725; FR 0302352 W 20030725; US 52233205 A 20050907