

Title (en)
Die with cooling circuit

Title (de)
Matrize mit Kühlkreis

Title (fr)
Matrice avec circuit de refroidissement

Publication
EP 1749593 A2 20070207 (EN)

Application
EP 06380199 A 20060713

Priority
ES 200501991 A 20050805

Abstract (en)
Die that comprises an exterior surface (12) with the form of the piece (4) to be deformed, at least one cooling circuit (31), and at least one casing (10), said casing (10) comprising said exterior surface (12) and an interior surface (13) that delimits at least one housing (11). The die (1) also comprises a body (20) housed in said housing (11) so that the cooling circuit (31) is formed between said casing (10) and said body (20).

IPC 8 full level
B21D 37/16 (2006.01)

CPC (source: EP ES)
B21D 37/16 (2013.01 - EP ES)

Cited by
DE102012024051A1; JP2013099774A; CN102883834A; EP2062987A1; DE102007005257A1; DE102012024051B4; US10532395B2; DE102011111583A1; DE112010004536B4; EP2043798A4; EP3643423A1; EP4311626A3; WO2011110346A3; WO2013178615A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1749593 A2 20070207; EP 1749593 A3 20070905; ES 2273589 A1 20070501; ES 2273589 B1 20080416

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