

Title (en)

Forming tool with cooling channel boreholes branches within the tool elements

Title (de)

Formwerkzeug mit innerhalb von Werkzeugteilen verzweigten Kühlkanalbohrungen

Title (fr)

Outil de formage doté de forages de canal de refroidissement ramifiés à l'intérieur des éléments d'outil

Publication

EP 2567763 B1 20140305 (DE)

Application

EP 11180166 A 20110906

Priority

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Abstract (en)

[origin: EP2567763A1] The molding tool has a molding surface (11) defining tool parts (2.1-2.4), where the molding surface is formed complementary to a portion of a sheet-form member produced by hot forming. The tool parts include cooling channels (8-10) in the form of holes extending along the molding surface. One of the tool parts is provided within another tool part such that one of the cooling channels branches into two cooling channels whose hole axes extend along the molding surface, where short radial distances of the branches from the molding surface differ by not more than 10 percent.

IPC 8 full level

B21D 37/16 (2006.01); **B23P 15/24** (2006.01)

CPC (source: EP)

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Cited by

US10252311B2; WO2015124404A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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