

Title (en)

Method for moulding and hardening a workpiece made from steel in a stamping machine

Title (de)

Verfahren zum Pressformen und Härten eines Werkstücks aus Stahl in einer Gesenkpresse

Title (fr)

Procédé de moulage et de durcissement d'une pièce à usiner en acier dans une presse à estamper

Publication

EP 1983063 A3 20111019 (DE)

Application

EP 08005252 A 20080320

Priority

DE 102007019173 A 20070420

Abstract (en)

[origin: DE102007019173B3] Method for press-forming and hardening a steel workpiece in a stamping machine comprises partially moving the stamps (2, 3) away from each other after deforming and passing coolant (6) through the gap (10, 11) between the stamps and the workpiece. The heated workpiece is placed into the molding hollow space (9) above the coolant meniscus (8). The coolant meniscus is raised high enough for the coolant to flow into the hollow space.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] WO 2005078143 A1 20050825 - FES GMBH FAHRZEUG ENTWICKLUNG [DE], et al
- [A] EP 1671715 A1 20060621 - NIPPON STEEL CORP [JP]

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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DOCDB simple family (publication)

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