

Title (en)

Device for tempering forming tools

Title (de)

Vorrichtung zum Temperieren von Formwerkzeugen

Title (fr)

Dispositif de conditionnement en température d'outils de formage

Publication

**EP 1662222 A3 20110119 (DE)**

Application

**EP 05025598 A 20051124**

Priority

DE 102004057035 A 20041125

Abstract (en)

[origin: EP1662222A2] The tempering device includes at least one electrolysis element (3, 4) in contact with the fluid. This element consists of the material which in the electric chemical potential series for cations has a lower standard potential than the fluid. The electrolysis element can be brought into electrical contact with the through flow channel.

IPC 8 full level

**F28F 19/00** (2006.01); **B22C 9/06** (2006.01); **B22D 17/22** (2006.01); **C23F 13/02** (2006.01)

CPC (source: EP)

**B22C 9/065** (2013.01); **B22D 17/2218** (2013.01); **C23F 13/10** (2013.01); **F28F 19/004** (2013.01); **F28D 2021/0077** (2013.01)

Citation (search report)

- [X] DE 20116990 U1 20020411 - WESIE WETTKI & SIEBER GMBH U C [DE]
- [X] DE 1935836 A1 19700319 - ROSE HERBERT
- [X] US 3012959 A 19611212 - BARNARD KENNETH N
- [X] US 4830724 A 19890516 - HOULE TIMOTHY H [US]

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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 1662222 A2 20060531**; **EP 1662222 A3 20110119**; DE 102004057035 A1 20060601; DE 102004057035 B4 20070215

DOCDB simple family (application)

**EP 05025598 A 20051124**; DE 102004057035 A 20041125