

Title (en)

Device to treat metallic workpieces with cooling gas

Title (de)

Vorrichtung zur Behandlung von metallischen Werkstücken mit Kühlgas

Title (fr)

Dispositif de traitement des pièces métalliques avec le gaz de refroidissement

Publication

EP 1361287 B1 20060419 (DE)

Application

EP 03003948 A 20030222

Priority

DE 10210952 A 20020313

Abstract (en)

[origin: US2003175130A1] In an apparatus for the treatment of metallic workpieces (4) with cooling gas, having a cylindrical housing (3) with an opening at the end face for introducing and removing the workpieces (4), two support plates (6, 7) extending in parallel planes vertically in the housing (3) and two air-guiding plates (14, 15) are provided, the workpiece batch (4) being held between the support plates (6, 7), and the air-guiding plates (14, 15) each forming, with the adjacent support plates (6, 7) and with the respectively adjacent inner wall of the housing, shafts (16, 17 and 26, 27, respectively) through which the cooling gas conveyed by blowers held on the housing (3) flows, controlled by reversing flaps (18, 19, 20, 21) arranged at the upper and lower ends of the air-guiding plates (14, 15).

IPC 8 full level

C21D 1/767 (2006.01); **C21D 1/613** (2006.01); **C21D 1/773** (2006.01); **F27B 9/04** (2006.01)

CPC (source: EP US)

C21D 1/613 (2013.01 - EP US); **C21D 1/767** (2013.01 - EP US); **C21D 1/773** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

US 2003175130 A1 20030918; **US 6913449 B2 20050705**; AT E323783 T1 20060515; DE 10210952 A1 20060112; DE 10210952 B4 20070215; DE 50303007 D1 20060524; EP 1361287 A2 20031112; EP 1361287 A3 20041103; EP 1361287 B1 20060419; ES 2262914 T3 20061201

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US 38270803 A 20030306; AT 03003948 T 20030222; DE 10210952 A 20020313; DE 50303007 T 20030222; EP 03003948 A 20030222; ES 03003948 T 20030222