

Title (en)

Device for the controlled cooling from the rolling temperature of hot-rolled profiles, in particular beams

Title (de)

Vorrichtung zum kontrollierten Abkühlen von warmgewalzten Profilen, insbesondere Trägern, direkt aus der Walzhitze

Title (fr)

Dispositif pour le refroidissement contrôlé de profilés laminés à chaud, en particulier de poutres, directement à partir de la température de laminage

Publication

EP 0925855 A3 20000802 (DE)

Application

EP 98124114 A 19981218

Priority

DE 19757485 A 19971223

Abstract (en)

[origin: EP0925855A2] The installation is divided into cooling regions (1, 2, 3) located respectively above, below and on both sides of the rolled sections (5a, 5b, 6). The cooling regions are operable individually or in combination with one another. Each of the cooling regions has at least one coolant spray nozzle (7) or nozzle array. The nozzles are controllable either individually or as arrays.

IPC 1-7

B21B 45/02; **C21D 1/667**; **C21D 1/02**

IPC 8 full level

B21B 45/02 (2006.01); **C21D 1/00** (2006.01); **C21D 1/02** (2006.01); **C21D 1/667** (2006.01); **C21D 8/00** (2006.01); **C21D 9/00** (2006.01)

CPC (source: EP US)

B21B 45/0215 (2013.01 - EP US); **C21D 1/02** (2013.01 - EP US); **C21D 1/667** (2013.01 - EP US); **C21D 9/0068** (2013.01 - EP US)

Citation (search report)

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- [A] DE 8810085 U1 19881020
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- [XA] PATENT ABSTRACTS OF JAPAN vol. 012, no. 040 (C - 474) 5 February 1988 (1988-02-05)
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DE 19757485 A1 19990624; EP 0925855 A2 19990630; EP 0925855 A3 20000802; JP H11254022 A 19990921; US 6170284 B1 20010109

DOCDB simple family (application)

DE 19757485 A 19971223; EP 98124114 A 19981218; JP 36334498 A 19981221; US 21360898 A 19981217