

Title (en)

CONTINUOUS FLOW COOLING DEVICE AND METHOD FOR COOLING A METAL STRIP

Title (de)

DURCHLAUFKÜHLVORRICHTUNG UND VERFAHREN ZUM ABKÜHLEN EINES METALLBANDES

Title (fr)

DISPOSITIF DE REFROIDISSEMENT EN CONTINU ET PROCÉDÉ DE REFROIDISSEMENT D'UNE BANDE MÉTALLIQUE

Publication

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Application

EP 17700322 A 20170110

Priority

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- EP 2017050401 W 20170110

Abstract (en)

[origin: CA3004532A1] The invention relates to a continuous flow cooling device (3) for cooling a metal strip (1), in particular a metal strip made of aluminum or an aluminum alloy, having at least one strip flotation cooler (4), which has several upper nozzles (5) distributed along the strip travel direction (B), and several lower nozzles (6) distributed along the strip travel direction (B), wherein the metal strip (1) can be transported in a floating manner between the upper nozzles (5) and the lower nozzles (6), and the upper side of the strip as well as the underside of the strip can be supplied with cooling air in the process, and having several water cooling units (7), by means of which the metal strip (1) can be supplied with cooling water. This device is characterized in that the water cooling units (7) are integrated in the strip flotation cooler (4).

IPC 8 full level

C21D 9/573 (2006.01); **C21D 1/667** (2006.01); **C21D 9/63** (2006.01); **F27D 15/02** (2006.01)

CPC (source: EP KR RU US)

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Citation (opposition)

Opponent : Ebner Industrieofenbau GmbH

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