

Title (en)
Device for cooling a moved strip.

Title (de)
Vorrichtung zum Kühlen eines bewegten Metallbandes.

Title (fr)
Dispositif de refroidissement d'un produit métallique en mouvement.

Publication
EP 0233854 A1 19870826 (FR)

Application
EP 87870015 A 19870202

Priority
BE 648188 A 19860205

Abstract (en)
1. Device (4) for cooling a moving metal product (1), which comprises an upper transverse casing (5) and a lower transverse casing relative to the product (1) to be cooled, the said casings being provided with orifices (11, 12) for the passage of a coolant to the said product (1), characterized in that at least the upper casing (5) is divided into at least three juxtaposed compartments (6, 7, 8), a first compartment (7), called the central compartment, corresponding to the central area of the product (1), and two compartments (6, 8), called the lateral compartments, corresponding to the two edge areas of the product (1) respectively, in that the said division into compartments is produced by partitions (9, 10) substantially perpendicular to the base of the said upper casing (5), and in that the said partitions (9, 10) are arranged so as to form, inside the said upper casing (5), a channel which converges in the direction of the displacement of the said product (1).

Abstract (fr)
Ce dispositif de refroidissement comporte un caisson supérieur (5) et un caisson inférieur pourvus d'orifices (11) de passage d'un agent réfrigérant vers le produit (1). Le caisson supérieur est divisé en au moins trois compartiments juxtaposés, un compartiment central (7) et deux compartiments latéraux (6,8), au moyen de cloisons verticales (9, 10) formant, à l'intérieur dudit caisson supérieur, un canal convergent dans le sens du déplacement du produit. Chaque compartiment (6,7,8) est pourvu de moyens d'alimentation (13, 14, 15; 18,19,20) en agent réfrigérant.

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IPC 8 full level
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CPC (source: EP US)
B21B 45/0218 (2013.01 - EP US); **B21B 45/0233** (2013.01 - EP US); **C21D 1/667** (2013.01 - EP US)

Citation (search report)
• [X] DE 2547416 A1 19760506 - WEAN UNITED INC
• [A] GB 2096490 A 19821020 - DAVEY LOEWY LTD
• [A] GB 2161102 A 19860108 - CENTRO SPERIMENT METALLURG

Cited by
EP0440009A3; US9358597B2

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AT DE ES FR GB IT LU NL SE

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BE 904177 A 19860805; AT E51776 T1 19900415; CA 1260258 A 19890926; EP 0233854 A1 19870826; EP 0233854 B1 19900411; ES 2014332 B3 19900701; JP S62253710 A 19871105; US 4744226 A 19880517

DOCDB simple family (application)
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