

Title (en)

Process and apparatus for continuous coating of a steel strip.

Title (de)

Verfahren und Vorrichtung zur kontinuierlichen Oberflächenbeschichtung von einem Stahlband.

Title (fr)

Procédé et dispositif de revêtement en continu d'une bande d'acier.

Publication

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Application

EP 91400817 A 19910326

Priority

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Abstract (en)

Process for continuously coating a steel strip with a liquid metal contained in a main crucible (3). The process consists in causing the steel strip (2) to travel continuously from the bottom upwards between two nip rolls (7, 8) with a horizontal axis, in creating a bath of purified liquid metal in the region of the nip gap (9) of the two rolls (7, 8) by continuously delivering the said liquid metal from the main crucible (3) and in controlling the height of liquid metal in the said bath. The invention also relates to a device for implementing the process. <IMAGE>

IPC 1-7

C23C 2/00

IPC 8 full level

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CPC (source: EP US)

C23C 2/00344 (2022.08 - EP US); **C23C 2/0036** (2022.08 - EP US); **C23C 2/523** (2022.08 - EP US)

Citation (search report)

- [A] US 3828723 A 19740813 - HERMAN J
- [A] FR 1248834 A 19601223 - CONTINENTAL CAN CO
- [A] FR 2341199 A1 19770909 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 13, no. 466 (C-646)[3814] 20 Octobre 1989; & JP-A-01 180 954 (KOBE STEEL) 18 Juillet 1989
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 14, no. 146 (C-704)[4089] 20 Mars 1990; & JP-A-02 015 155 (HITACHI) 18 Janvier 1990
- [A] PATENT ABSTRACTS OF JAPAN, vol. 3, no. 138 (C-64) 16 Novembre 1979; & JP-A-54 117 331 (SHIN NIPPON SEITETSU) 12 Septembre 1979
- [A] PATENT ABSTRACTS OF JAPAN, vol. 12, no. 398 (C-538)[3245] 21 Octobre 1988; & JP-A-63 140 070 (NIPPON KOKAN) 11 Juin 1988

Cited by

AU2004252229B2; ITMI20111544A1; KR20140048330A; CN103890218A; WO2013027179A1; WO2005001152A1; WO9318198A1

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