

Title (en)

Process and apparatus for single-roll or twin-roll continuous casting.

Title (de)

Verfahren und Vorrichtung zum Einzel- oder Doppelrollen-Stranggiessen.

Title (fr)

Procédé et dispositif de coulée continue sur un ou entre deux cylindres.

Publication

EP 0430840 A1 19910605 (FR)

Application

EP 90470061 A 19901107

Priority

FR 8915539 A 19891123

Abstract (en)

This apparatus, intended for the casting of thin metal products, comprises one or two rolls (1), which are driven in rotation and whose walls are cooled, and lateral walls (3) defining a casting space (4). <??>The surface of each roll is divided into at least three circumferential zones, at least one (5) of the said zones having a roughness greater than that of the other zones (6). <??>This apparatus permits the implementation of the process according to the invention whereby certain longitudinal zones of the skins of the cast metal, which are solidified in contact with the cooled walls of the rolls, are preferentially driven on their own. <IMAGE>

Abstract (fr)

Ce dispositif destiné à la coulée de produits métalliques minces, comporte un ou deux cylindres (1) entraînés en rotation et dont les parois sont refroidies, et des parois latérales (3) délimitant un espace de coulée 4. La surface de chaque cylindre est divisée en au moins trois zones circonférentielles, l'une au moins (5) desdites zones ayant une rugosité supérieure à celle des autres zones (6). Ce dispositif permet la mise en oeuvre du procédé selon l'invention selon lequel on entraîne préférentiellement uniquement certaines zones longitudinales des peaux du métal coulé, solidifiées au contact des parois refroidies des cylindres.

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Citation (search report)

- [A] US 4688623 A 19870825 - WAKEFIELD G FELIX [US], et al
- [A] WO 8702284 A1 19870423 - BATTELLE DEVELOPMENT CORP [US]
- [A] EP 0229031 A2 19870715 - RIBBON TECHNOLOGY CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 13, no. 289 (M-845)[3637], 5 juillet 1989; & JP-A-01 83 343 (NIPPON STEEL CORP.) 29-03-1989
- [AD] PATENT ABSTRACTS OF JAPAN, vol. 12, no. 131 (M-688)[2978], 22 avril 1988; & JP-A-62 254 953 (HITACHI LTD) 06-11-1987

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