

Title (en)

Device for continuously manufacturing a thin metal strip.

Title (de)

Vorrichtung zur kontinuierlichen Herstellung eines dünnen Metallbands.

Title (fr)

Dispositif de fabrication en continu d'une bande métallique mince.

Publication

EP 0290423 A2 19881109 (FR)

Application

EP 88870083 A 19880506

Priority

- BE 8700525 A 19870508
- BE 8701460 A 19871217

Abstract (en)

The device comprises, in succession, a mould (3, 6) in which the metal is forced to flow from top to bottom as a thin blade (15) driven in a gyratory movement along the inner wall of the said mould, and in which the metal is subjected to a primary cooling, cooling means (6) in which the metal is subjected to a cooling causing complete solidification of the said metal into a solid tube (11), and an apparatus (9, 10) for cutting up the said tube along a helical line inclined at an angle (α) which is suitable for the desired thickness (B) of the metal strip (12). It also comprises means for distributing the molten metal over the inner wall of the mould, particularly a nozzle with a closed end (1) having one or more lateral outlet channels for the molten metal. The mould consists of at least two successive sections; preferably, the first (3) of these sections has an internal cross-section which increases in the direction of flow of the metal and at least the second (6) of these sections can rotate about its longitudinal axis. <IMAGE>

IPC 1-7

B22D 11/06

IPC 8 full level

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CPC (source: EP)

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