

## Title (en)

APPARATUS FOR PRODUCING CAST METAL STRIP WITH AN AMORPHOUS AND/OR FINE CRYSTAL STRUCTURE

## Publication

**EP 0255674 B1 19900307 (DE)**

## Application

**EP 87110817 A 19870725**

## Priority

DE 3626638 A 19860806

## Abstract (en)

[origin: US4770227A] The invention relates to an apparatus for the production of cast metal strip of amorphous and/or compact grained structures. To enable the strip to be coiled on reels at high strip speeds, the strip 6 is guided at the outlet of the casting apparatus 1-6 having a casting wheel 4 over a first and second strip guide channel. The first strip guide channel is formed by at least one cooling wheel 9, 11 and a guide wall 10, 12 disposed concentrically of the cylindrical surface of the cooling wheel 9, 11. By means of a cooling medium the strip is forced against the cylindrical surface of the cooling wheel 9, 11 and thereby intensively cooled at a high conveying speed and without tensile stress. When it leaves the or each cooling wheel 9, 11 the strip 6 is strong enough to pass freely guided through the perpendicularly disposed second guide channel 14. Disposed at the outlet of the guide channel 14 is a gripping device 16 which seizes the strip 6, so that the strip guide channel 14 is no longer required for guidance and is therefore removed. By means of a contact pressure and parting device 24 movable against the strip 6, the strip can be forced with uninterrupted conveying against a coiling reel 19, 20 and be glued on by means of an adhesive coating. Preferably a roller device 29 to 34 is associated with the cooling wheel 11 in the first guide channel.

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**B22D 11/06**

## IPC 8 full level

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## Cited by

FR2697182A1; EP0566771A1; US5367931A; US5488887A; EP0366005A1; CN106111923A; WO2017148922A1; WO9000100A1

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