

Title (en)  
DEVICE FOR DIP COATING A METAL BAR

Title (de)  
VORRICHTUNG ZUR SCHMELZTAUCHBESCHICHTUNG EINES METALLSTRANGES

Title (fr)  
DISPOSITIF D'ENDUCTION PAR IMMERSION A CHAUD D'UNE BARRE METALLIQUE

Publication  
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Application  
**EP 03815270 A 20031018**

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Abstract (en)  
[origin: WO2004067795A2] The invention relates to a device for dip coating a metal bar (1), in particular a steel strip. In said device, the metal bar (1) is guided vertically through a container (3) that holds the molten coating metal (2), after passing through a guide channel (4) located upstream of said container. The device is equipped with at least two inductors (5), located on either side of the metal bar (1) in the vicinity of the guide channel (4) for generating an electromagnetic field that retains the coating metal (2) in the container (3). In order to facilitate the capture of the molten metal, in particular in the event of an emergency, the device is characterised by at least two traps (6), configured as liquid deflector guides, located on either side of the metal bar (1) below the guide channel (4). Said guides can be positioned either in an open position (A), in which they do not come into contact with the metal bar (1), or a closed position (B), in which they rest against the metal bar (1).

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