

Title (en)

SEALING OFF A MELT DIP COATING APPARATUS

Title (de)

ABDICHTUNG EINER SCHMELZTAUCHBESCHICHTUNGSVORRICHTUNG

Title (fr)

GARNITURE D'ÉTANCHÉITÉ D'UN DISPOSITIF DE REVÊTEMENT PAR IMMERSION DANS À CHAUD

Publication

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Application

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Abstract (en)

[origin: CA2746127A1] The invention relates to a sealing system for a melt dip coating apparatus for coating a metal strip with a metal melt (200). The melt dip coating apparatus comprises a roller dipping into the metal melt for deflecting or stabilizing the metal strip as the latter passes through the metal melt (200), the roller having a roller body and a roller journal (224) and an airlock which surrounds the roller journal (224) with an airlock chamber (232), and a means for feeding the gaseous medium with a gas pressure into the airlock chamber (232) in order to seal off the airlock chamber (232) with respect to the metal melt (200). According to the invention, the sealing system in the region where the roller journal (224) passes into the airlock chamber (232) comprises a hollow cylindrical ring seal (225) to seal off the airlock chamber (232) with respect to the metal melt (200), wherein the hollow cylindrical ring seal (225) is designed to be divided parallel to or at an arbitrary angle to the axis of rotation of the roller journal (224) and, furthermore, the sealing system comprises a hollow cylindrical sleeve (226) which is slit in the direction of the axis of rotation of the roller journal (224) and which surrounds the ring seal (225).

IPC 8 full level

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CPC (source: EP KR US)

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