

Title (en)

COOLING OF COATED SHEET METAL STRIP

Title (de)

KÜHLUNG EINES BESCHICHTETEN BLECHSTREIFENS

Title (fr)

REFROIDISSEMENT DE BANDE DE TÔLE MÉTALLIQUE REVÊTUE

Publication

EP 2814989 A1 20141224 (EN)

Application

EP 13702066 A 20130204

Priority

- EP 12290051 A 20120213
- EP 2013052120 W 20130204
- EP 13702066 A 20130204

Abstract (en)

[origin: WO2013120714A1] A cooling system is described for the continuous cooling of sheet metal strip. The cooling system is installed downstream of a continuous oven which is drying a coating applied to the sheet metal. The cooling system is provided with means for blowing cooling air onto the sheet metal strip. The cooling system comprises -for at least part of the means for blowing cooling air onto the sheet metal strip - means for increasing the temperature of the cooling air prior to blowing the cooling air onto the sheet metal. A method is disclosed for using such cooling systems, e.g. for cooling coatings comprising magnesium oxide that are applied on grain-oriented electrical steel.

IPC 8 full level

C21D 1/70 (2006.01); **C21D 8/12** (2006.01); **C21D 9/573** (2006.01); **F27B 9/30** (2006.01); **F27D 9/00** (2006.01); **F27D 17/00** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2013120714A1

Citation (examination)

- EP 0606884 A1 19940720 - NIPPON STEEL CORP [JP]
- KR 20030053330 A 20030628 - POSCO [KR]

Designated contracting state (EPC)

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