

Title (en)

Process and device for preventing buckling of strip in a fast cooling zone of a heat treatment line

Title (de)

Verfahren und Vorrichtung zum Vermeiden von Falten in einem Band in der Schnellkühlstrecke einer Wärmebehandlungsanlage

Title (fr)

Procédé et dispositif de réduction des plis de bande dans une zone de refroidissement rapide de ligne de traitement thermique

Publication

EP 1108795 B1 20050427 (FR)

Application

EP 00403318 A 20001128

Priority

FR 9916011 A 19991217

Abstract (en)

[origin: EP1108795A1] Cooling of a metal band on a treatment line uses cooling zones having containers filled with a cooling gas. Each zone progressively modifies the intensity of cooling. An Independent claim is included for an apparatus for performing the above where the band passing the containers while moving between inlet and outlet rollers. A treatment zone is located between adjacent containers, between the inlet roller and the first container and the last container and the outlet roller. Preferred Features: The distance between gas outlets in the containers is variable. The distance of the outlets from the band is adjustable. The size of the orifices is adjustable.

IPC 1-7

C21D 9/573

IPC 8 full level

C21D 11/00 (2006.01); **C21D 9/573** (2006.01); **C21D 1/613** (2006.01)

CPC (source: EP US)

C21D 9/573 (2013.01 - EP US); **C21D 1/613** (2013.01 - EP US)

Cited by

FR2876710A1; FR2897620A1; US7763131B2; WO2007096502A3; WO2021074500A1; WO2015083047A1; US10041140B2; US11193181B2

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