

Title (en)

Roll mantle, roll line & continuous casting apparatus

Title (de)

Rollmantel, Rollleitung und Stranggießvorrichtung

Title (fr)

Enveloppe de rouleau, ligne de rouleau et appareil de coulée continue

Publication

EP 2682202 A2 20140108 (EN)

Application

EP 13003266 A 20130627

Priority

SE 1200409 A 20120704

Abstract (en)

Roll mantle (28) for a roll line (20) of a continuous casting apparatus comprising a rotatable shaft (24) having a coolant line (30), whereby the roll mantle (28) is arranged to be supported on said rotatable shaft (24) in a rotationally fixed manner. The roll mantle (28) comprises at least one coolant channel (32) arranged to be in fluid communication with said coolant line (30) and a first end region (ER1), a second end region (ER2) and a central region (CR) in between said first end region (ER1) and said second end region (ER2). The central region (CR) extends along at least 50% of the length (L) of said roll mantle (28), and the at least one coolant channel (32) comprises at least one coolant inlet (36) and/or at least one coolant outlet (42) located within said central region (CR) of the roll mantle (28).

IPC 8 full level

B22D 11/128 (2006.01)

CPC (source: BR EP KR)

B22D 11/06 (2013.01 - KR); **B22D 11/128** (2013.01 - KR); **B22D 11/1287** (2013.01 - BR EP)

Citation (applicant)

EP 1646463 A1 20060419 - VOEST ALPINE IND ANLAGEN [AT]

Cited by

US11285530B2; US11766714B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2682202 A2 20140108; **EP 2682202 A3 20171115**; **EP 2682202 B1 20201021**; BR 102013017092 A2 20160913; CN 103521726 A 20140122; CN 103521726 B 20151125; IN 2895CH2013 A 20150904; KR 101509896 B1 20150406; KR 20140005093 A 20140114; RU 2013128349 A 20141227; RU 2550446 C2 20150510

DOCDB simple family (application)

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