

Title (en)

BIMETALLIC BACK-UP ROLL FOR HOT ROLLING

Publication

EP 0322300 B1 19930908 (FR)

Application

EP 88403244 A 19881219

Priority

FR 8718069 A 19871223

Abstract (en)

[origin: WO8905868A1] A bimetallic composite back-up cylinder for a rolling mill, in particular for a four-roll or six-roll stand of a hot strip train finisher, comprises a metal envelope made of a steel having a chromium content between 13 and 17 wt. %, and a carbon content between 0.5 and 0.8 wt. %, the chromium/carbon ratio being between 20 and 25.

IPC 1-7

B21B 27/00; **C22C 38/18**; **C22C 38/40**

IPC 8 full level

B21B 27/00 (2006.01); **C22C 38/00** (2006.01); **C22C 38/18** (2006.01); **C22C 38/40** (2006.01)

CPC (source: EP KR US)

B21B 27/00 (2013.01 - EP US); **C22C 38/18** (2013.01 - EP KR US); **C22C 38/40** (2013.01 - EP US); **Y10T 428/12965** (2015.01 - EP US); **Y10T 428/12972** (2015.01 - EP US); **Y10T 428/12979** (2015.01 - EP US)

Cited by

FR2765819A1; EP1020244A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0322300 A1 19890628; **EP 0322300 B1 19930908**; AT E94219 T1 19930915; AU 2908089 A 19890719; CA 1331076 C 19940802; DE 3883943 D1 19931014; DE 3883943 T2 19940324; ES 2045170 T3 19940116; FR 2625225 A1 19890630; FR 2625225 B1 19900608; JP H02502931 A 19900913; KR 900700646 A 19900816; US 5147733 A 19920915; WO 8905868 A1 19890629

DOCDB simple family (application)

EP 88403244 A 19881219; AT 88403244 T 19881219; AU 2908089 A 19891219; CA 586736 A 19881222; DE 3883943 T 19881219; ES 88403244 T 19881219; FR 8718069 A 19871223; FR 8800624 W 19881219; JP 50076488 A 19881219; KR 890701566 A 19890822; US 70641891 A 19910528