

Title (en)
CASTING ROLL AND A METHOD FOR PRODUCING A CASTING ROLL

Title (de)
GIESSWALZE UND VERFAHREN ZUR HERSTELLUNG EINER GIESSWALZE

Title (fr)
CYLINDRE DE COULEE ET PROCEDE DE PRODUCTION D'UN CYLINDRE DE COULEE

Publication
EP 1476262 A2 20041117 (DE)

Application
EP 02793061 A 20021218

Priority
• AT 472002 A 20020111
• EP 0214468 W 20021218

Abstract (en)
[origin: WO03057390A2] The invention relates to a casting roll for the continuous casting of thin metal strips, in particular steel strips in a double-roll or roll-in installation. Said roll comprises a roll core (1) with an external casing (4) and an annular roll jacket (2) with an internal casing (5), said jacket surrounding the core and being shrunk onto the latter. To prevent the migratory motion of the roll jacket in relation to the roll core, the surface of at least one of the opposing casings (4, 5) that form a shrinkage connection has protuberances and indentations, which are oriented at least partially in the direction of the casting roll axis (8) and extend radially for at least 2 mu m.

IPC 1-7
B22D 11/06

IPC 8 full level
B22D 11/06 (2006.01)

CPC (source: EP KR US)
B22D 11/06 (2013.01 - KR); **B22D 11/0651** (2013.01 - EP US)

Citation (search report)
See references of WO 03057390A2

Cited by
DE102011055066A1; EP2589446A2

DOCDB simple family (publication)
WO 03057390 A2 20030717; WO 03057390 A3 20031218; AT 411337 B 20031229; AT A472002 A 20030515; AT E331578 T1 20060715; AU 2002358749 A1 20030724; AU 2002358749 B2 20080410; CN 1304142 C 20070314; CN 1615193 A 20050511; DE 50207410 D1 20060810; EP 1476262 A2 20041117; EP 1476262 B1 20060628; KR 20040066207 A 20040723; MX PA04006734 A 20041110; US 2005039875 A1 20050224; US 7281567 B2 20071016

DOCDB simple family (application)
EP 0214468 W 20021218; AT 02793061 T 20021218; AT 472002 A 20020111; AU 2002358749 A 20021218; CN 02827057 A 20021218; DE 50207410 T 20021218; EP 02793061 A 20021218; KR 20047010805 A 20021218; MX PA04006734 A 20021218; US 50129304 A 20041022