Title (en)

METHOD AND PRODUCTION LINE FOR MANUFACTURING METAL STRIPS MADE OF COPPER OR COPPER ALLOYS

Title (de)

VERFAHREN UND FERTIGUNGSLINIE ZUM HERSTELLEN VON METALLBÄNDERN AUS KUPFER ODER KUPFERLEGIERUNGEN

Title (fr)

PROCEDE ET CHAINE DE PRODUCTION POUR PRODUIRE DES BANDES METALLIQUES A BASE DE CUIVRE OU D'ALLIAGE DE CUIVRE

Publication

EP 1909981 B1 20081119 (DE)

Application

EP 06762447 A 20060706

Priority

- EP 2006006590 W 20060706
- DE 102005031805 A 20050707

Abstract (en)

[origin: WO2007006478A1] Disclosed are a method and a production line for manufacturing metal strips made of copper or copper alloys by means of casting and rolling. In order to lower the investment cost and operating expenses therefor, the melt (2) is cast into a copper strip (4) in a vertical and/or horizontal continuous strip casting process (3), and the hot copper strip (4) is cleaned by milling (5) the top and bottom face (5a, 5b) thereof, is subjected to a cold rolling process (6), and is prepared for shipping, or is subjected to an inspection (12) and then prepared for shipping after being annealed (7), pickled (8), washed (9), dried (10), and optionally temper rolled (11).

IPC 8 full level

B21B 3/00 (2006.01)

CPC (source: EP KR US)

B21B 3/00 (2013.01 - KR); **B21B 3/003** (2013.01 - EP US); B21B 13/22 (2013.01 - EP US); B21B 15/005 (2013.01 - EP US); B21B 45/0203 (2013.01 - EP US); B21B 45/0218 (2013.01 - EP US); B21B 45/0242 (2013.01 - EP US); B21B 45/0251 (2013.01 - EP US); B21B 45/06 (2013.01 - EP US); B21B 2003/005 (2013.01 - EP US); B21B 2015/0014 (2013.01 - EP US); B21B 2015/0021 (2013.01 - EP US); B21B 2015/0057 (2013.01 - EP US); B21B 2015/0064 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102005031805 A1 20070118; AR 054826 A1 20070718; AT E414572 T1 20081215; AU 2006268944 A1 20070118; AU 2006268944 B2 20101209; BR PI0611392 A2 20100908; CA 2613975 A1 20070118; CA 2613975 C 20120515; CN 101218042 A 20080709; CN 101218042 B 20121205; DE 502006002140 D1 20090102; EG 24891 A 20101213; EP 1909981 A1 20080416; EP 1909981 B1 20081119; ES 2316082 T3 20090401; JP 2008544858 A 20081211; JP 5280200 B2 20130904; KR 101138711 B1 20120424; KR 20080023213 A 20080312; MX 2007012580 A 20071210; MY 140622 A 20091231; PL 1909981 T3 20090430; RU 2007139513 A 20090427; RU 2372158 C2 20091110; TW 200709871 A 20070316; TW I391190 B 20130401; UA 84815 C2 20081125; US 2009107589 A1 20090430; US 2011214834 A1 20110908; WO 2007006478 A1 20070118; ZA 200707541 B 20080430

DOCDB simple family (application)

DE 102005031805 A 20050707; AR P060102951 A 20060707; AT 06762447 T 20060706; AU 2006268944 A 20060706; BR PI0611392 A 20060706; CA 2613975 A 20060706; CN 200680024687 A 20060706; DE 502006002140 T 20060706; EG NA2007001219 A 20071111; EP 06762447 A 20060706; EP 2006006590 W 20060706; ES 06762447 T 20060706; JP 2008518765 A 20060706; KR 20077021156 A 20060706; MX 2007012580 A 20060706; MY PI20063245 A 20060707; PL 06762447 T 20060706; RU 2007139513 A 20060706; TW 95124423 A 20060705; UA A200712510 A 20060706; US 201113107757 A 20110513; US 98832806 A 20060706; ZA 200707541 A 20070828