

Title (en)

WORKING METHOD AND INSTALLATION FOR THE FLEXIBLE AND ECONOMICAL PICKLING AND COLD-ROLLING OF METAL STRIPS

Title (de)

ARBEITSVERFAHREN UND ANLAGE ZUM FLEXIBLEN UND WIRTSCHAFTLICHEN BEIZEN UND KALTWALZEN VON METALLBÄNDERN

Title (fr)

PROCEDE DE TRAVAIL ET INSTALLATION POUR LE DECAPAGE ET LE LAMINAGE A FROID SOUPLE ET ECONOMIQUE DE FEUILLARDS METALLIQUES

Publication

EP 1148956 B1 20030604 (DE)

Application

EP 00906159 A 20000118

Priority

- DE 0000186 W 20000118
- DE 19905286 A 19990203

Abstract (en)

[origin: US6604398B1] The installation includes an in-line arrangement of a metal pickler, a reeling arrangement installed on the coiling side of the metal pickler, and a cold-rolling mill. The method includes ones of the following alternative sequences of work steps:(a) the strip leaving the metal pickler bypasses the reeling arrangement and is introduced into the cold-rolling mill for a first reduction pass and rolled out over the course of several deformation passes; or(b) the strip leaving the metal pickler is wound on the reeling arrangement into a coil; after the coil is switched to the uncoiling position, the strip is fed into the cold-rolling mill and rolled out over the course of several deformation passes; or(c) the strip leaving the metal pickler is wound as hot-rolled strip on the reeling arrangement to obtain the finished strip; or(d) pre-pickled, hot-rolled strips are sent to the reeling arrangement and then uncoiled from the uncoiler into the cold-rolling mill and rolled in several deformation passes.

IPC 1-7

B21B 1/28; **B21B 1/36**; **B21B 45/06**

IPC 8 full level

B21B 1/32 (2006.01); **B21B 1/28** (2006.01); **B21B 1/36** (2006.01); **B21B 45/04** (2006.01); **B21B 45/06** (2006.01); **B21C 47/00** (2006.01); **B21C 47/24** (2006.01); **C23G 3/02** (2006.01); **B21B 15/00** (2006.01)

CPC (source: EP KR US)

B21B 1/28 (2013.01 - EP KR US); **B21B 1/36** (2013.01 - EP US); **B21B 45/06** (2013.01 - EP US); **B21C 47/245** (2013.01 - EP US); **B21B 2015/0057** (2013.01 - EP US)

Cited by

CN114505366A; RU2506131C1; US8490451B2; US9254512B2; US7125204B2; DE102018207026A1; WO2019068388A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6604398 B1 20030812; AT E242068 T1 20030615; AU 2793600 A 20000825; AU 770085 B2 20040212; BR 0007971 A 20011106; CA 2358869 A1 20000810; CN 1337892 A 20020227; DE 19905286 A1 20000810; DE 50002442 D1 20030710; EP 1148956 A1 20011031; EP 1148956 B1 20030604; JP 2002536181 A 20021029; KR 20010094750 A 20011101; PL 349899 A1 20021007; RU 2001116094 A 20030627; WO 0045971 A1 20000810; ZA 200105807 B 20021014

DOCDB simple family (application)

US 88964101 A 20010719; AT 00906159 T 20000118; AU 2793600 A 20000118; BR 0007971 A 20000118; CA 2358869 A 20000118; CN 00803109 A 20000118; DE 0000186 W 20000118; DE 19905286 A 19990203; DE 50002442 T 20000118; EP 00906159 A 20000118; JP 2000597075 A 20000118; KR 20017009295 A 20010724; PL 34989900 A 20000118; RU 2001116094 A 20000118; ZA 200105807 A 20010713