Title (en)
   Device for rolling metal bands

Title (de)
   Vorrichtung zum Rollen von Metallbändern

Title (fr)
   Dispositif d'enroulement de bandes métalliques

Publication
   EP 1914028 A3 20080611 (EN)

Application
   EP 07123271 A 20031029

Priority
   • EP 03759089 A 20031029
   • NL 1022043 A 20021202

Abstract (en)
   [origin: WO2004050274A1] A process for rolling a self-contained endless band (10) for a metal push belt, in which in a first process step the band (10) is placed in unrolled form over at least two rotatable bearing rollers (6, 7) which are movable relative to each other, in a second step at the position of the first bearing roller (7) said band is brought into contact with a rolling roller (11), and in a third process step during a rotating movement driven by at least one of the rollers (6, 7, 11), with the exertion locally of a pushing force (Fu), said band is introduced between the first bearing roller (7) and the rolling roller (11), the band (10) by way of movement of a second (6) of the bearing rollers (6, 7) being subjected to a pulling force (Fl), characterized in that the rolling process is controlled depending upon a specific or given measurement for the material volume of the band (10), on the basis of which a specific rolling process setting is determined.

IPC 8 full level
   B21D 53/14 (2006.01); B21B 5/00 (2006.01); B21B 37/58 (2006.01); B21B 38/04 (2006.01)

CPC (source: EP)
   B21B 5/00 (2013.01); B21D 53/14 (2013.01); B21B 37/58 (2013.01); B21B 38/04 (2013.01)

Citation (search report)
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   • [X] JP S57184501 A 19821113 - TOYOTA MOTOR CO LTD
   • [DX] JP H11290908 A 19991026 - HONDA MOTOR CO LTD
   • [A] EP 0181670 A1 19860521 - GAYLIENE INVESTMENTS LTD [GB]
   • [A] GB 191501554 A 19151118 - ADREWS WILLIAM
   • [DA] EP 0950830 A1 19991020 - DOORNES TRANSMISSIE BV [NL]

Designated contracting state (EPC)
   AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
   WO 2004050274 A1 20040617; AT E403504 T1 20080815; AU 2003274832 A1 20040623; CN 100531951 C 20090826;
   CN 101219435 A 20080716; CN 101219435 B 20101208; CN 1720113 A 20060111; DE 60322739 D1 20080918; EP 1569766 A1 20050907;
   EP 1569766 B1 20080806; EP 1914028 A2 20080423; EP 1914028 A3 20080611; JP 2006507948 A 20060309; JP 2011062751 A 20110331;
   JP 4856875 B2 20120118; JP 5167459 B2 20130321; NL 1022043 C2 20040603

DOCDB simple family (application)
   NL 0300734 W 20031029; AT 03759089 T 20031029; AU 2003274832 A 20031029; CN 200380104738 A 20031029;
   CN 200710181794 A 20031029; DE 60322739 T 20031029; EP 03759089 A 20031029; EP 07123271 A 20031029; JP 2004556979 A 20031029;
   JP 2010231007 A 20101013; NL 1022043 A 20021202