

Title (en)

Band accumulator for metal bands, especially spiral looper for thick steel bands

Title (de)

Bandspeicher für Metallbänder, insbesondere Spiralbandspeicher für dicke Stahlbänder

Title (fr)

Accumulateur pour des bandes de métal, spécialement accumulateur de bandes en spirale pour des bandes d'acier épais

Publication

**EP 1167258 A3 20030917 (DE)**

Application

**EP 01103292 A 20010213**

Priority

DE 10030606 A 20000621

Abstract (en)

[origin: EP1167258A2] The strip has a lower large-diameter basket (2) and a higher small-diameter basket (3) centered on a vertical axis. An input unit feeds metal strips on the edge of the large-diameter outer basket, to form a large diameter spiral (21). A helicoidal guide (8) feeds the spiral inner end to the inner basket. Rollers (4) straighten the spiral upon leaving the inner basket. An Independent claim is also included for the looping method.

IPC 1-7

**B65H 20/34**; **B21C 49/00**

IPC 8 full level

**B21B 41/00** (2006.01); **B21C 47/28** (2006.01); **B21C 47/34** (2006.01); **B21C 49/00** (2006.01); **B65H 20/34** (2006.01)

CPC (source: EP US)

**B21B 41/00** (2013.01 - EP US); **B21C 49/00** (2013.01 - EP US)

Citation (search report)

- [A] US 5601250 A 19970211 - WHEELER MICHAEL S [US], et al
- [A] US 3999718 A 19761228 - ZIEMBA FRANCOIS
- [A] DE 4212049 A1 19931014 - MANNESMANN AG [DE]
- [A] DE 4302088 A1 19940728 - MANNESMANN AG [DE]
- [A] FR 2311606 A1 19761217 - DUJARDIN MONTBARD SOMENOR [FR]
- [A] DE 2357144 A1 19740522 - PERNSTEINER MAXIMILIAN DIPL KF
- [A] US 3341139 A 19670912 - LA TOUR HARRY

Cited by

EP2669022A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1167258 A2 20020102**; **EP 1167258 A3 20030917**; **EP 1167258 B1 20050413**; AT E293079 T1 20050415; DE 10030606 A1 20020103; DE 50105886 D1 20050519; ES 2240250 T3 20051016; JP 2002018519 A 20020122; US 2001054665 A1 20011227; US 6520442 B2 20030218

DOCDB simple family (application)

**EP 01103292 A 20010213**; AT 01103292 T 20010213; DE 10030606 A 20000621; DE 50105886 T 20010213; ES 01103292 T 20010213; JP 2001188234 A 20010621; US 87313601 A 20010601