

Title (en)

Driver system for devices for the drawing or braking of metal strips

Title (de)

Mitnahmesysteme in Vorrichtungen zum Ziehen oder Bremsen von Metallbändern

Title (fr)

Système d'entraînement utilisé dans des dispositifs pour le freinage ou la traction de feuillets métalliques

Publication

EP 1350576 A3 20040204 (DE)

Application

EP 03014045 A 19991110

Priority

- DE 19852078 A 19981111
- DE 29820111 U 19981111
- DE 29909850 U 19990419
- EP 99971746 A 19991110

Abstract (en)

[origin: WO0027554A1] An elastic coating (12) that can be adapted by means of shaping and filler pieces (31, 32) is provided in order to expand the useful scope of a driver system in a device for pulling or reducing the speed of metal strips (4) or sheets and comprising endlessly circulating chain systems, in addition to being able to adapt input, output and drive status to specific tasks.

IPC 1-7

B21C 47/00; **B65H 51/14**; **B65G 23/18**; **B65G 54/02**

IPC 8 full level

B65G 15/16 (2006.01); **B21B 39/08** (2006.01); **B21C 1/30** (2006.01); **B21C 47/00** (2006.01); **B21C 47/34** (2006.01); **B65G 15/58** (2006.01); **B65G 23/18** (2006.01); **B65G 54/02** (2006.01); **B65H 20/06** (2006.01); **B65H 23/10** (2006.01); **B65H 51/14** (2006.01); **B21B 38/02** (2006.01); **B21B 39/00** (2006.01)

CPC (source: EP US)

B21B 39/08 (2013.01 - EP US); **B21C 47/003** (2013.01 - EP US); **B21C 47/006** (2013.01 - EP US); **B21C 47/3458** (2013.01 - EP US); **B65H 20/06** (2013.01 - EP US); **B65H 23/10** (2013.01 - EP US); **B21B 38/02** (2013.01 - EP US); **B21B 39/006** (2013.01 - EP US); **B65H 2404/351** (2013.01 - EP US); **B65H 2555/13** (2013.01 - EP US)

Citation (search report)

- [XY] FR 1543492 A 19681025 - SOMENOR SOC METALLURG DU NORD
- [XD] DE 19524289 A1 19970109 - THYSEN MAGNETTECHNIK GMBH [DE]
- [YD] EP 0195096 A1 19860924 - UMLAUF NORBERT
- [A] GB 1393268 A 19750507 - PHILIPS ELECTRONIC ASSOCIATED
- [A] US 5158274 A 19921027 - HAMADA YASUNORI [JP], et al
- [A] US 3283980 A 19661108 - DARIO BUCCICONE
- [A] US 3945547 A 19760323 - LEDEBUR HARRY C

Cited by

DE102006054385B4; DE102006054383B4; DE102008029326A1

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)

WO 0027554 A1 20000518; AT E243573 T1 20030715; AT E294034 T1 20050515; BR 9906891 A 20001017; CA 2317432 A1 20000518; CA 2317432 C 20090127; DE 59906096 D1 20030731; DE 59911996 D1 20050602; EP 1054743 A1 20001129; EP 1054743 B1 20030625; EP 1350576 A2 20031008; EP 1350576 A3 20040204; EP 1350576 B1 20050427; ES 2203253 T3 20040401; ES 2242125 T3 20051101; US 2003066857 A1 20030410; US 6502734 B1 20030107; US 6585140 B2 20030701

DOCDB simple family (application)

EP 9908606 W 19991110; AT 03014045 T 19991110; AT 99971746 T 19991110; BR 9906891 A 19991110; CA 2317432 A 19991110; DE 59906096 T 19991110; DE 59911996 T 19991110; EP 03014045 A 19991110; EP 99971746 A 19991110; ES 03014045 T 19991110; ES 99971746 T 19991110; US 29487802 A 20021114; US 60009100 A 20000918