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 feuillards metalliques

Publication

EP 1350576 A2 20031008 (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)

The apparatus draws metal bands/sheets between two continuous chain systems having roller blocks to clamp the sheets. The elastic coating is shaped and supplied with linings to fulfill the required task. The apparatus is pivoted, so that the band is tangentially fed to the coil. It has electric linear motor drive, and floats in leaf springs, which determine reaction forces by using load cells. The roller blocks carry magnetic coils or permanent magnets. Surface flatness is measured by a rotating roller or similar, which are incorporated in the elastic coating.

Abstract (de)

Um ein Mitnahmesystem in einer Vorrichtung zum Ziehen oder Bremsen von Metallbändern bzw. Blechen mit endlos umlaufenden Kettensystemen einsatzmäßig zu erweitem und die Einlauf-, Auslauf- und Mitnahmebedingungen an bestimmte Aufgaben unterschiedlich anpassen zu können, wird eine elastische Beschichtung vorgeschlagen, die durch Formgebung und Füllstücke angepaßt werden kann. <IMAGE>

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)

Cited by

DE102006054383B4; DE102006054385B4; 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