Title (en)

Method for the automatic bundling of cable strands

Title (de)

Verfahren zum Automatisierten Bündeln von Kabelsträngen

Title (fr)

Procédé pour le cerclage automatique de faisceaux de câbles

Publication

EP 1013554 B1 20040630 (DE)

Application

EP 99125061 A 19991216

Priority

DE 19859672 A 19981223

Abstract (en)

[origin: EP1013554A1] The method involves feeding a continuously delivered cable tie (2) with a toothed or grooved surface driven by a motor and with its leading end passed through a locking arrangement (1) for engagement with the teeth or grooves, passing it over a cable bundle and back into the locking arrangement. The tie is then tightened against its original direction by reversing the motor and cut off after the locking arrangement. The motor is stopped before cutting the cable tie so that the cable tie is un tensioned after the locking arrangement. Independent claims are also included for an automatic arrangement for bundling cables and for a method of operating it.

IPC 1-7

B65B 13/02

IPC 8 full level

B65B 27/00 (2006.01); **B65B 13/02** (2006.01); **B65B 13/34** (2006.01); **F16L 3/22** (2006.01); **F16L 3/223** (2006.01); **H02G 1/06** (2006.01); **H02G 3/30** (2006.01)

CPC (source: EP KR US)

B65B 13/02 (2013.01 - KR); **B65B 13/345** (2013.01 - EP US)

Cited by

EP2352685A4; GB2463499A; EP2610182A1; CN112706971A; CN118494955A; US8474104B2; TWI461332B

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)

EP 1013554 A1 20000628; **EP 1013554 B1 20040630**; AT E270221 T1 20040715; AT E325039 T1 20060615; AU 1863700 A 20000731; AU 744000 B2 20020214; BR 9916570 A 20011002; CA 2355329 A1 20000706; CN 1111488 C 20030618; CN 1331645 A 20020116; CZ 20012050 A3 20010912; CZ 297616 B6 20070214; DE 19859672 A1 20000629; DE 19859672 C2 20010412; DE 59909850 D1 20040805; DE 59913398 D1 20060608; EP 1295793 A1 20030326; EP 1295793 B1 20060503; ES 2263728 T3 20061216; HU P0200147 A2 20020529; JP 2002533273 A 20021008; JP 2005330012 A 20051202; KR 100490482 B1 20050517; KR 20010093092 A 20011027; PL 200519 B1 20090130; PL 349386 A1 20020715; PT 1295793 E 20060929; RU 2001119991 A 20031110; SK 284876 B6 20060105; SK 8402001 A3 20011106; US 6513555 B1 20030204; WO 0038991 A1 20000706

DOCDB simple family (application)

EP 99125061 A 19991216; AT 02027177 T 19991216; AT 99125061 T 19991216; AU 1863700 A 19991208; BR 9916570 A 19991208; CA 2355329 A 19991208; CN 99814922 A 19991208; CZ 20012050 A 19991208; DE 19859672 A 19981223; DE 59909850 T 19991216; DE 59913398 T 19991216; EP 02027177 A 19991216; EP 9909642 W 19991208; ES 02027177 T 19991216; HU P0200147 A 19991208; JP 2000590913 A 19991208; JP 2005199286 A 20050707; KR 20017006333 A 20010519; PL 34938699 A 19991208; PT 02027177 T 19991216; RU 2001119991 A 19991208; SK 8402001 A 19991208; US 86835701 A 20010615