

Title (en)
DE-WIRING MACHINE

Publication
EP 0477182 B1 19930811 (DE)

Application
EP 90906114 A 19900419

Priority
DE 3919222 A 19890613

Abstract (en)
[origin: WO9015756A1] A de-wiring machine for bales consists of a first positioning device for the bales (1), a cutting device (4) to separate the binding wires around the bales, a gripping device (5) by means of which the binding wires may be removed from the bales after separation and a winding device (6) which grasps all wires removed in the section concerned with a shared fork-shaped, longitudinally movable winding spindle (22) and winds them into coils. To improve the process of winding the cut binding wires, there is a row of comb-like guiding fingers (7) arranged in the region between the winding spindle (22) and the bales (1) after the cut binding wires have been removed, whereby the binding wires pass between the guiding fingers (7) during the winding process.

IPC 1-7
B65B 69/00

IPC 8 full level
B65B 69/00 (2006.01)

CPC (source: EP US)
B65B 69/0025 (2013.01 - EP US); **Y10S 83/909** (2013.01 - EP US); **Y10T 29/49821** (2015.01 - EP US); **Y10T 29/51** (2015.01 - EP US);
Y10T 29/5139 (2015.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9015756 A1 19901227; CA 2054200 A1 19901214; CA 2054200 C 19950912; DE 3919222 A1 19901220; DE 3919222 C2 19910814;
DE 59002345 D1 19930916; EP 0477182 A1 19920401; EP 0477182 B1 19930811; ES 2044575 T3 19940101; FI 90849 B 19931231;
FI 90849 C 19940411; FI 915858 A0 19911212; JP 2692014 B2 19971217; JP H04505742 A 19921008; US 5249341 A 19931005

DOCDB simple family (application)
DE 9000292 W 19900419; CA 2054200 A 19900419; DE 3919222 A 19890613; DE 59002345 T 19900419; EP 90906114 A 19900419;
ES 90906114 T 19900419; FI 915858 A 19911212; JP 50593490 A 19900419; US 77636591 A 19911126