

Title (en)
FLYING TUCK FOLDING DEVICE

Title (de)
RÄDERFALZAPPARAT

Title (fr)
PLIEUSE A ENGRENAGES

Publication
EP 1451088 B1 20050615 (DE)

Application
EP 02805252 A 20021202

Priority
• DE 0204403 W 20021202
• DE 10160101 A 20011207

Abstract (en)
[origin: WO03053832A2] The invention relates to a flying tuck folding device comprising a primary drive motor, at least one cylinder that is rotationally driven by the primary drive motor and a pair of folding rollers. The folding rollers can be rotationally driven by an auxiliary motor. The folding rollers can be coupled to the rotation of the cylinder by a differential drive comprising three drive or take-off members, one of which is connected respectively to the cylinder, auxiliary motor and the folding rollers.

IPC 1-7
B65H 45/16

IPC 8 full level
B65H 45/16 (2006.01)

CPC (source: EP US)
B65H 45/161 (2013.01 - EP US); **B65H 45/168** (2013.01 - EP US); **B65H 2403/482** (2013.01 - EP US); **B65H 2511/13** (2013.01 - EP US); **B65H 2511/224** (2013.01 - EP US); **B65H 2513/10** (2013.01 - EP US)

Cited by
EP3018084B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03053832 A2 20030703; WO 03053832 A3 20031009; WO 03053832 B1 20031113; AT E297873 T1 20050715;
AU 2002357435 A1 20030709; CN 1323918 C 20070704; CN 1592709 A 20050309; DE 10160101 C1 20030703; DE 50203432 D1 20050721;
EP 1451088 A2 20040901; EP 1451088 B1 20050615; US 2005070416 A1 20050331; US 7083562 B2 20060801

DOCDB simple family (application)
DE 0204403 W 20021202; AT 02805252 T 20021202; AU 2002357435 A 20021202; CN 02823398 A 20021202; DE 10160101 A 20011207;
DE 50203432 T 20021202; EP 02805252 A 20021202; US 49679704 A 20040607