

Title (en)
WINDING MECHANISM WITH A HOUSING

Title (de)
WINDWERK MIT EINEM GEHÄUSE

Title (fr)
TREUIL POURVU D'UN BOITIER

Publication
EP 1124752 B1 20030827 (DE)

Application
EP 99963189 A 19991028

Priority
• DE 9903508 W 19991028
• DE 19851708 A 19981030
• DE 19916413 A 19990401

Abstract (en)
[origin: WO0026133A1] The invention relates to a winding mechanism comprising a housing (1) whereby an electric motor (6), a gear mechanism and a traction roller are arranged therein. In order to produce a flat winding mechanism that can be easily carried by a person and used in a universal manner especially at home, the case-like housing (1) that is basically configured in the form of a suitcase has a suspension (2) on one of the two flat outer sides (3a) and an opening (3c) that enables the traction means (4) to be fed through and the inventive device can be carried by a person by means of a carrier handle-type element (14). In addition, the electric motor (6), gear mechanism (7) and the traction roller (8) are arranged on a common plane. Another solution is to connect the electric motor (102) in the form of a universal motor to the gear mechanism (104) via a (102) belt drive (110), whereby said gear mechanism is configured as a self-locking worm gear.

IPC 1-7
B66D 3/26; **B66D 3/22**; **A61G 7/10**

IPC 8 full level
B66D 1/28 (2006.01); **A61G 7/10** (2006.01); **B66D 3/20** (2006.01); **B66D 3/22** (2006.01); **B66D 3/26** (2006.01)

CPC (source: EP KR US)
A61G 7/1015 (2013.01 - EP US); **A61G 7/1042** (2013.01 - EP US); **B66D 3/20** (2013.01 - KR); **B66D 3/22** (2013.01 - EP US); **B66D 3/26** (2013.01 - EP KR US); **A61G 7/1069** (2013.01 - EP US); **B66D 2700/025** (2013.01 - KR)

Cited by
AT514824A1

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 0026133 A1 20000511; AT E248123 T1 20030915; AU 1962500 A 20000522; CN 1108271 C 20030514; CN 1325362 A 20011205; CZ 20011517 A3 20020213; DE 59906797 D1 20031002; EP 1124752 A1 20010822; EP 1124752 B1 20030827; JP 2002528365 A 20020903; KR 20010082271 A 20010829; MY 133917 A 20071130; NO 20012096 D0 20010427; NO 20012096 L 20010427; PL 348636 A1 20020603; TR 200101170 T2 20011022; US 6241215 B1 20010605

DOCDB simple family (application)
DE 9903508 W 19991028; AT 99963189 T 19991028; AU 1962500 A 19991028; CN 99812961 A 19991028; CZ 20011517 A 19991028; DE 59906797 T 19991028; EP 99963189 A 19991028; JP 2000579526 A 19991028; KR 20017005358 A 20010427; MY PI9904663 A 19991028; NO 20012096 A 20010427; PL 34863699 A 19991028; TR 200101170 T 19991028; US 42696199 A 19991026