

Title (en)
Winding device

Title (de)
Wickelvorrichtung

Title (fr)
Dispositif d'enroulement

Publication
EP 1006287 B1 20040218 (DE)

Application
EP 99122553 A 19991112

Priority
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• US 45338499 A 19991202

Abstract (en)
[origin: EP1006287A2] The arrangement has a removable winding shaft (1) with a winding body (10) and bearing journals (11a,11b) accommodated in outer bearings (2) with additional bearings. Each outer bearing has a coupling device movable along the central axis (MA) of the shaft and able to be connected to or decoupled from the bearing journals. The additional bearings are inner bearings (3) arranged between the ends of the journals for connection to the outer bearings and the winding body.

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F16C 13/02; B65H 16/06; B65H 18/02

IPC 8 full level
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Citation (examination)
• DE 4439908 A1 19950601 - RUEEGG ANTON [CH]
• DE 19636184 A1 19980312 - POEPPINGHAUS WINFRIED [DE]
• DE 1009336 B 19570529 - BENCKISER GMBH JOH A
• US 3038680 A 19620612 - ROSE WERNER P
• GB 1136137 A 19681211 - EMERSON AND RENWICK LTD
• DE 7536100 U 19760325

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

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