

Title (en)
Rotatable fastener

Title (de)
Drehverschluss

Title (fr)
Système rotatif de fermeture

Publication
EP 0615705 B1 19970312 (DE)

Application
EP 93120637 A 19931221

Priority
DE 4302401 A 19930128

Abstract (en)
[origin: EP0615705A1] The plane of at least one groove (21) containing a pulley cable (3) running round the outer periphery of the winder disc (2) contains a hub bore (22) diametrically penetrating the central hub part of the winder disc. The lengthwise section (3a) of the pulley cable runs through the hub bore, between its two ends. The two outer orifices of the hub bore widen out radially so as to curve backwards. Two cable pulley through-holes (4,5) in the housing periphery wall (1a) are diametrically opposite on the same plane as the cable pulley holder groove.

IPC 1-7
A43C 11/16

IPC 8 full level
A43C 11/16 (2006.01)

CPC (source: EP)
A43C 11/16 (2013.01); **A43C 11/165** (2013.01)

Cited by
US7076843B2

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0615705 A1 19940921; **EP 0615705 B1 19970312**; AT E149804 T1 19970315; CA 2113149 A1 19940729; DE 4302401 A1 19940804; DE 59305774 D1 19970417; JP H06237802 A 19940830

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EP 93120637 A 19931221; AT 93120637 T 19931221; CA 2113149 A 19940110; DE 4302401 A 19930128; DE 59305774 T 19931221; JP 866994 A 19940128