

Title (en)
ASSEMBLY FOR WINDING FILAMENTS OR THREADLIKE MATERIAL TO A LONGISH MANDREL

Publication
EP 0336052 B1 19920415 (DE)

Application
EP 89100326 A 19890110

Priority
DE 3811766 A 19880408

Abstract (en)
[origin: EP0336052A1] For winding filaments or threadlike material (2; 3) on an elongate article (1), the supply reels (4; 5), which are arranged with their axes parallel to the axis of the article (1) and are together mounted rotatably about the said axis, can additionally be driven in rotation about their own axis. <IMAGE>

IPC 1-7
B65H 81/08

IPC 8 full level
B65H 81/06 (2006.01); **B65H 81/08** (2006.01); **H01B 13/08** (2006.01)

CPC (source: EP)
B65H 81/08 (2013.01); **H01B 13/0866** (2013.01)

Cited by
CN104210908A; EP1724224A3; CN104021893A; CN110356937A

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

DOCDB simple family (publication)
EP 0336052 A1 19891011; EP 0336052 B1 19920415; AT E74874 T1 19920515; DE 3811766 A1 19891019; DE 58901135 D1 19920521; ES 2032610 T3 19930216; FI 87759 B 19921113; FI 87759 C 19930225; FI 891653 A0 19890406; FI 891653 A 19891009; GR 3004639 T3 19930428; HU 209105 B 19940328; HU T50721 A 19900328; JP H01261172 A 19891018

DOCDB simple family (application)
EP 89100326 A 19890110; AT 89100326 T 19890110; DE 3811766 A 19880408; DE 58901135 T 19890110; ES 89100326 T 19890110; FI 891653 A 19890406; GR 920400971 T 19920518; HU 169489 A 19890407; JP 3947789 A 19890221