

Title (en)
Device for winding of yarns

Title (de)
Vorrichtung zum Aufspulen von Garnen

Title (fr)
Dispositif pour le bobinage de fils

Publication
EP 1741655 A1 20070110 (DE)

Application
EP 05014825 A 20050708

Priority
EP 05014825 A 20050708

Abstract (en)
A textile yarn-spool winder has a winding spool (3) supported by a roller (15), and a lever-arm (6, 7) pivoting (10) externally close to the outer margin. The lever-arm (6, 7) rises and falls controlled by an actuator (12). The actuator is powered by an electric motor (20) with a non-sensor controller. The motor controller follows a sequence applying a predetermined torque profile to the lever-arm.

IPC 8 full level
B65H 54/42 (2006.01)

CPC (source: EP)
B65H 54/52 (2013.01); **B65H 2515/34** (2013.01); **B65H 2555/25** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• WO 2004036732 A1 20040429 - ABB OY [FI], et al
• WO 02078152 A1 20021003 - EMERSON ELECTRIC CO [US]
• WO 03036787 A1 20030501 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

Citation (search report)
• [Y] DE 3927142 A1 19910221 - SCHLAFHORST & CO W [DE]
• [DY] WO 2004036732 A1 20040429 - ABB OY [FI], et al
• [A] EP 0351672 A1 19900124 - SCHWEITER AG MASCHF [CH]
• [A] DE 3911854 A1 19891109 - MURATA MACHINERY LTD [JP]

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1741655 A1 20070110; CN 101247997 A 20080820; EP 1910204 A1 20080416; WO 2007006475 A1 20070118

DOCDB simple family (application)
EP 05014825 A 20050708; CN 200680024859 A 20060706; EP 06762444 A 20060706; EP 2006006587 W 20060706