

Title (en)  
Winding machine

Title (de)  
Wickelmaschine

Title (fr)  
Enrouleuse

Publication  
**EP 1739040 A3 20070926 (DE)**

Application  
**EP 06111365 A 20060320**

Priority  
DE 102005000082 A 20050629

Abstract (en)  
[origin: EP1739040A2] The machine has carrier rollers supported on the bottom side of a casing by a supporting unit, during winding of a paper web. The supporting unit comprises of a spring, damper (8), measuring device and actuator for position controlling of the rollers, where the stiffness of the spring and damping of the dampers is passive or actively changed. An air bearing or magnet bearing is arranged on the bottom side of the rollers. An independent claim is also included for a method for winding a paper web or cardboard web in a winding machine.

IPC 8 full level  
**B65H 18/20** (2006.01); **B65H 18/02** (2006.01)

CPC (source: EP)  
**B65H 18/025** (2013.01); **B65H 18/20** (2013.01); **B65H 2601/524** (2013.01)

Citation (search report)

- [X] US 3236472 A 19660222 - PATTERSON JR HENRY R
- [X] DE 2016116 B1 19710701
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- [A] EP 0192836 A2 19860903 - RIETER AG MASCHF [CH]
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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 1739040 A2 20070103; EP 1739040 A3 20070926; EP 1739040 B1 20090520**; AT E431808 T1 20090615; DE 102005000082 A1 20070104; DE 502006003761 D1 20090702

DOCDB simple family (application)  
**EP 06111365 A 20060320**; AT 06111365 T 20060320; DE 102005000082 A 20050629; DE 502006003761 T 20060320