

Title (en)

LOADING OR UNLOADING APPARATUS FOR A SPOOL ON A WINDING MACHINE

Publication

EP 0214091 A3 19880323 (FR)

Application

EP 86810341 A 19860729

Priority

CH 369285 A 19850828

Abstract (en)

[origin: US4718817A] The drums to be loaded or unloaded are placed on a carriage borne by rollers and comprising telescopic arms. The carriage is guided along an arcuate path by a rigid arm and a pivot pin situated at the end of a bar supported by a base. A motor is provided on the carriage to drive the carriage in the arcuate path.

IPC 1-7

B65H 67/04; **B65H 54/72**

IPC 8 full level

B65H 67/02 (2006.01); **B65H 18/06** (2006.01); **B65H 54/72** (2006.01); **B65H 67/04** (2006.01)

CPC (source: EP US)

B65H 54/72 (2013.01 - EP US); **B65H 67/04** (2013.01 - EP US); **Y10S 414/124** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0214091 A2 19870311; **EP 0214091 A3 19880323**; FI 80868 B 19900430; FI 80868 C 19900810; FI 863336 A0 19860818; FI 863336 A 19870301; JP S6357479 A 19880312; US 4718817 A 19880112

DOCDB simple family (application)

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