

Title (en)  
Yarn end retrieving apparatus

Title (de)  
Vorrichtung zum Wiederfinden eines Garnendes

Title (fr)  
Appareil d'extraction d'extrémité de fil

Publication  
**EP 2105401 A3 20120815 (EN)**

Application  
**EP 09003055 A 20090303**

Priority  
JP 2008088646 A 20080328

Abstract (en)  
[origin: EP2105401A2] A yarn end retrieving apparatus includes a yarn releasing device (3) that sucks and releases a yarn end from a surface of a bobbin (1), a cutter device (10) that cuts the yarn (Y) sucked out by the yarn releasing device (3), and a cylinder elevating and lowering device (16) that elevates and lowers a suction cylinder (13). The cylinder elevating and lowering device (16) is composed of a guide member (17), a slider (19) that slidably elevates and lowers along the guide member, and a driving structure that uses a stepping motor (25) as a driving source. The suction cylinder (13) is fixed to the slider (19) so as to be movable together with the slider. Power of the stepping motor (25) is used to elevate and lower the suction cylinder (13).

IPC 8 full level  
**B65H 67/08** (2006.01)

CPC (source: EP)  
**B65H 67/088** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 09003055 A 20090303**; CN 200910128459 A 20090319; JP 2008088646 A 20080328