

Title (en)
KNOTTING DEVICE

Publication
EP 0143187 B1 19870325 (DE)

Application
EP 84109862 A 19840818

Priority
DE 3339331 A 19831029

Abstract (en)
[origin: ES8506535A1] A knotting arrangement, especially for spool frames for warping and other textile machines in which the orbital knotting head is connected to a suction tube and has a freely movable clamping body, e.g. a ball, therein which, when air pressure is supplied to the suction tube can press the ball against a seat to hold the yarn end. The clamping body is not connected to any elements within the head and may be drawn by magnetic force against the seat.

IPC 1-7
B65H 69/00; **B65H 69/04**; **B65H 54/26**

IPC 8 full level
B65H 54/26 (2006.01); **B65H 69/00** (2006.01); **B65H 69/04** (2006.01)

CPC (source: EP US)
B65H 54/26 (2013.01 - EP US); **B65H 69/04** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by
EP2196424A1

Designated contracting state (EPC)
BE CH DE FR GB LI

DOCDB simple family (publication)
EP 0143187 A1 19850605; **EP 0143187 B1 19870325**; DE 3339331 A1 19850509; DE 3339331 C2 19881229; DE 3462778 D1 19870430; ES 537085 A0 19850801; ES 8506535 A1 19850801; IT 1180096 B 19870923; IT 8468018 A0 19841016; IT 8468018 A1 19860416; US 4569543 A 19860211

DOCDB simple family (application)
EP 84109862 A 19840818; DE 3339331 A 19831029; DE 3462778 T 19840818; ES 537085 A 19841026; IT 6801884 A 19841016; US 66567884 A 19841029