

Title (en)
Self-tensioning core carrier

Title (de)
Selbstspannender Kernträger

Title (fr)
Support de noyau autobloquant

Publication
EP 2042461 A3 20110817 (DE)

Application
EP 08163407 A 20080901

Priority
• DE 102007045864 A 20070925
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Abstract (en)
[origin: EP2042461A2] The core carrier (1) has a clamping ring (11) receiving cores (6), where the ring is in the form of a thick-walled hollow cylinder and is arranged on a winding shaft (3) for transferring torque to one of the cores. An external bearing surface of the ring is in the form of a circular cylinder. The ring is made from plastic and flexibly designed, such that an outer diameter of the ring is variable. A bushing (5) is provided between the winding shaft and the ring. Multiple recesses (21, 22, 23) are present in the ring, where the recesses are in the form of blind holes or slots.

IPC 8 full level
B65H 49/36 (2006.01); **B65H 54/54** (2006.01); **B65H 75/24** (2006.01)

CPC (source: EP US)
B65H 49/36 (2013.01 - EP); **B65H 54/543** (2013.01 - EP); **B65H 75/2437** (2021.05 - EP US); **B65H 75/2455** (2021.05 - EP US)

Citation (search report)
• [XDI] DE 19517226 A1 19961114 - BEIERSDORF AG [DE]
• [XDI] DE 4309062 A1 19940113 - BEIERSDORF AG [DE]
• [X] US 3937412 A 19760210 - DAMOUR LAWRENCE R

Cited by
CN106629164A; ITVI20100265A1; CN109727746A

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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