

Title (en)
VERTICAL FULL ROTATION HOOK

Title (de)
VERTIKALER HAKEN MIT KOMPLETTER UMDREHUNG

Title (fr)
CROCHET VERTICAL À ROTATION COMPLÈTE

Publication
EP 3257992 A1 20171220 (EN)

Application
EP 15881996 A 20150213

Priority
JP 2015054038 W 20150213

Abstract (en)
In order to prevent occurrence of thread breakage and incident looping, a spring member (50) is provided in an engaging recess of an inner shuttle (3) to resiliently bias an engaging portion (27a) of an engaging strip (27) of a bobbin case (5) on a downstream side of a direction of rotation (A) so as to suppress rattling and vibrations of the bobbin case (5) against the inner shuttle (3).

IPC 8 full level
D05B 57/14 (2006.01)

CPC (source: EP KR)
D05B 57/14 (2013.01 - EP KR); **D05B 57/28** (2013.01 - EP)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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