

Title (en)  
CENTRIFUGALLY ACTIVATED BOBBIN COUPLING

Title (de)  
FLIEHKRAFT AKTIVIERTE HÜLSENKUPPLUNG

Title (fr)  
ACCOUPLEMENT A DOUILLES ACTIVE PAR LA FORCE CENTRIFUGE

Publication  
**EP 1763599 B1 20100908 (DE)**

Application  
**EP 05730000 A 20050414**

Priority  
• EP 2005003927 W 20050414  
• DE 102004031253 A 20040629

Abstract (en)  
[origin: WO2006002700A1] The invention relates to a bobbin coupling for spindles of a textile machine. Said bobbin coupling comprises coupling buttons (1), which are inserted into radially orientated, undercut bores (6) in the shaft of the spindle (7). The respective coupling button (1) can be displaced in the bore (6) and is pressed by its outwards facing end against the inner wall of a bobbin (11) that has been placed on the spindle (7) with the aid of centrifugal force, to create a frictional connection between the rotating spindle (7) and the bobbin (11). The coupling button (1) comprises a groove (2), which runs around the periphery and into which a separate spring element is inserted. The spring element can be lowered into the groove (2) to mount the coupling button (1) and engages behind the undercut (10) once mounted. The bobbin coupling is used in spindles for spinning and winding machines.

IPC 8 full level  
**D01H 7/16** (2006.01)

CPC (source: EP)  
**D01H 7/16** (2013.01)

Cited by  
DE102015013123A1; EP3165638A1

Designated contracting state (EPC)  
CH CZ DE ES IT LI

DOCDB simple family (publication)  
**DE 102004031253 A1 20060119**; CN 1957124 A 20070502; CN 1957124 B 20100505; DE 502005010230 D1 20101021; EP 1763599 A1 20070321; EP 1763599 B1 20100908; ES 2347665 T3 20101103; JP 2008504463 A 20080214; JP 4673889 B2 20110420; WO 2006002700 A1 20060112

DOCDB simple family (application)  
**DE 102004031253 A 20040629**; CN 200580016855 A 20050414; DE 502005010230 T 20050414; EP 05730000 A 20050414; EP 2005003927 W 20050414; ES 05730000 T 20050414; JP 2007518466 A 20050414