

Title (en)  
CONNECTING SYSTEM

Title (de)  
VERBINDUNGSSYSTEM

Title (fr)  
SYSTEME DE LIAISON

Publication  
**EP 1858793 A1 20071128 (DE)**

Application  
**EP 06723291 A 20060308**

Priority  
• EP 2006002137 W 20060308  
• DE 102005010708 A 20050309

Abstract (en)  
[origin: US2008135676A1] Connector system for detachably connecting rotationally symmetrical parts, particularly parts of a spool for winding a skein-shaped product, with ring surfaces ( 22, 24 ) at the facing front surfaces of the parts to be connected, with locking projections ( 26, 28, 30, 32, 34 ) extending from at least one of the ring surfaces ( 22, 24 ) in the direction of the other ring surface, and with detent recesses ( 40, 42, 44, 46 ) in the ring surface or both other ring surfaces, respectively, for receiving the locking projections to connect the parts in the manner of a bayonet catch by mutual rotation, and spring-loaded tongues ( 52, 54 ) are provided in alignment with the respective detent recesses ( 40, 42, 44, 46 ), which engage behind the locking projections ( 26, 28, 30, 32, 34 ) in the locked position and prevent the connected parts from untwisting into the detached position.

IPC 8 full level  
**B65H 75/22** (2006.01)

CPC (source: EP US)  
**B65H 75/14** (2013.01 - EP US); **B65H 75/2227** (2021.05 - EP US); **B65H 75/2272** (2021.05 - EP US)

Citation (search report)  
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 2008135676 A1 20080612; US 7614582 B2 20091110**; AT E435831 T1 20090715; CN 101137564 A 20080305; CN 101137564 B 20101208; DE 102005010708 A1 20060914; DE 102005010708 B4 20070315; DE 502006004179 D1 20090820; EP 1858793 A1 20071128; EP 1858793 B1 20090708; RU 2007137117 A 20090420; RU 2397938 C2 20100827; WO 2006094789 A1 20060914

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