Title (en)
Automatic pivot coupling

Title (de)
Automatische Knickkupplung

Title (fr)
Attelage automatique articulé

Publication
EP 1985518 B1 20091014 (DE)

Application
EP 07106914 A 20070425

Priority
EP 07106914 A 20070425

Abstract (en)
[origin: EP1985518A1] The central buffer coupling (1) has a pivoting mechanism (10) with a slotted gate fixed to one shaft component (5) and has a sliding guide. A cam disc is mounted at a rotatable manner about the rotational axis formed by the connecting pin and has a cam disc guide. One end of the bolt is received in a bolt guide in the sliding guide while another end is received in the bolt guide in the cam disc guide such that upon rotation of the cam disc about the rotational axis, a portion of the resulting torque can be transmitted from the cam disc and to the slotted gate through the bolt. Each rotational position of the cam disc corresponds to a specific position of the end of the bolt guide delegated to the slotted gate in the sliding guide.

IPC 8 full level
B61G 7/08 (2006.01); **B61G 7/12** (2006.01)

CPC (source: EP US)
B61G 7/08 (2013.01 - EP US); **B61G 7/12** (2013.01 - EP US)

Cited by
DE102017102448A1; WO2018145929A1; CN106274960A; EP3168108A1; CN110267860A; WO2011138399A1; WO2020140646A1; US11407435B2; EP2566740B1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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