

Title (en)

Coupling device for cam shafts in internal combustion engines

Title (de)

Kupplungseinrichtung für Nockenwellen in Brennkraftmaschinen

Title (fr)

Dispositif d'accouplement pour arbres à cames dans les moteurs à combustion interne

Publication

**EP 0918141 A3 19990714 (DE)**

Application

**EP 98119438 A 19981015**

Priority

DE 19751836 A 19971122

Abstract (en)

[origin: EP0918141A2] A camshaft (1) is coupled to the camshaft drive, e.g. sprocket wheel (2) by one of two spring loaded coupling bolts (4,5) parallel to the axis of the camshaft and gripping into tapering bores in the end of the camshaft. The bolts are pressed back out of contact with the holes by hydraulic pressure applied to either bore via a slider valve (12) through the center of the sprocket wheel. The noses of the bolts and the holes have a double taper. The amount of angular displacement of the sprocket wheel with respect to the camshaft is limited by peg and slot.

IPC 1-7

**F01L 1/344**

IPC 8 full level

**F01L 1/34** (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP)

**F01L 1/34** (2013.01); **F01L 1/34409** (2013.01)

Citation (search report)

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WO2007054174A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0918141 A2 19990526; EP 0918141 A3 19990714; DE 19751836 A1 19990527**

DOCDB simple family (application)

**EP 98119438 A 19981015; DE 19751836 A 19971122**