

Title (en)

Method of changing the timing of fuel injection pumps on a fuel injection pump thereof

Title (de)

Verfahren zur Veränderung des Förderbeginns von Kraftstoffeinspritzpumpen und Kraftstoffeinspritzpumpe

Title (fr)

Procédé de changement de l'avance d'une pompe d'injection de carburant et pompe d'injection de carburant

Publication

EP 0757174 B1 20020320 (DE)

Application

EP 96111818 A 19960723

Priority

DE 19527720 A 19950731

Abstract (en)

[origin: EP0757174A2] The roller rotatably located on a roller bolt runs on the path of a camshaft cam. The roller bolt is releasably fixed to the roller tappet. Above the pump piston in the bottom dead centre position is arranged a pump work chamber connected by holes with a fuel chamber and by at least one injection valve with nozzle with the combustion chamber of the engine. The roller bolt (20) is crossways displaceable to the axis of the camshaft (19). The holes in the roller bolt for fixing the bolt to the tappet (16) are formed as long holes running crossways to the longitudinal axis of the bolt. The contact surfaces (24) between the roller bolt and the roller tappet are of the positive engagement type.

IPC 1-7

F02M 59/20

IPC 8 full level

F02M 59/38 (2006.01); **F02M 59/10** (2006.01); **F02M 59/20** (2006.01); **F02M 59/44** (2006.01); **F02M 59/48** (2006.01)

CPC (source: EP)

F02M 59/102 (2013.01); **F02M 59/48** (2013.01)

Cited by

EP1312801A3; EP1076174A3; GB2324123A; GB2324123B

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0757174 A2 19970205; **EP 0757174 A3 19971126**; **EP 0757174 B1 20020320**; AT E214787 T1 20020415; DE 19527720 A1 19970206; DE 59608903 D1 20020425; DK 0757174 T3 20020715; JP H09100760 A 19970415

DOCDB simple family (application)

EP 96111818 A 19960723; AT 96111818 T 19960723; DE 19527720 A 19950731; DE 59608903 T 19960723; DK 96111818 T 19960723; JP 19787496 A 19960726