

Title (en)  
FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES

Title (de)  
KRAFTSTOFFEINSPRITZPUMPE FÜR BRENNKRAFTMASCHINEN

Title (fr)  
POMPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication  
**EP 0859908 A1 19980826 (DE)**

Application  
**EP 97923769 A 19970430**

Priority  
• DE 9700882 W 19970430  
• DE 19630537 A 19960729

Abstract (en)  
[origin: DE19630537A1] A fuel injection pump for internal combustion engines has an integrated feed pump with an outer ring (5) and an inner ring (10) coupled by teeth (12) to a driving shaft (15) of the fuel injection pump. The individual teeth extend with their face (27) and bottom (28) along arcs of a circle around a centre which lies in the driving shaft radial plane which extends through said teeth along the axis of the driving shaft. This allows a higher angular offset between the driving shaft and the plane of the inner ring (10) without increasing the risk of damage through wear.

IPC 1-7  
**F02M 39/00**; **F04C 15/00**

IPC 8 full level  
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Citation (search report)  
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Designated contracting state (EPC)  
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