

Title (en)  
Needle guide member

Title (de)  
Nadelführungselement

Title (fr)  
Élément de guidage d'aiguille

Publication  
**EP 2733344 A1 20140521 (EN)**

Application  
**EP 12193208 A 20121119**

Priority  
EP 12193208 A 20121119

Abstract (en)  
The disclosure relates to a needle guide member (14) of a fuel injection system (10) for internal combustion engines. A needle guide member (14) for forming the fuel injection system (10) may comprise an elongate fuel redirecting groove (30) provided within a needle guide member sealing face (22). The needle guide member (14) may further comprise a needle guide member fuel channel (36) fluidly interconnecting the elongate fuel redirecting groove (30) with a high pressure fuel chamber (28) of the needle guide member (14).

IPC 8 full level  
**F02M 55/00** (2006.01); **F02M 61/12** (2006.01)

CPC (source: EP)  
**F02M 55/00** (2013.01); **F02M 61/12** (2013.01)

Citation (applicant)  
WO 2011157375 A1 20111222 - CATERPILLAR MOTOREN GMBH & CO [DE], et al

Citation (search report)  
• [XYI] US 2008173734 A1 20080724 - TOJO SENTA [JP], et al  
• [XYI] US 4005826 A 19770201 - WOODWARD HENRY EDWIN  
• [XYI] GB 2335000 A 19990908 - LUCAS IND PLC [GB]  
• [XYI] WO 03029642 A1 20030410 - SIEMENS AG [DE], et al  
• [XYI] CH 285899 A 19520930 - DUREX S A [CH]  
• [YD] WO 2011157375 A1 20111222 - CATERPILLAR MOTOREN GMBH & CO [DE], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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