

Title (en)  
INJECTOR ASSEMBLY

Title (de)  
INJEKTORANORDNUNG

Title (fr)  
ENSEMBLE D'INJECTEUR

Publication  
**EP 3867519 B1 20221207 (DE)**

Application  
**EP 19786771 A 20191010**

Priority  
• DE 102018217768 A 20181017  
• EP 2019077453 W 20191010

Abstract (en)  
[origin: WO2020078817A1] The invention relates to an injector arrangement (1) having an injector nozzle (2) for injecting medium into a combustion chamber (3), particularly for injecting fuel into a combustion chamber (3) of an internal combustion engine, and having a sealing ring (20), which is pre-loaded in order to seal against a sealing surface (6) of a cylinder head (4), which comprises a through-hole (5), through which the injection nozzle (2) protrudes into the combustion chamber (3) and in which, in the radial direction between the injection nozzle (2) and the cylinder head (4), a heat protection sleeve (10) is arranged, one end (11) of which, facing the combustion chamber (3), is frictionally connected to the injection nozzle (2) by a radial pressing (12). In order to functionally improve the injector arrangement (1), an end (13) of the heat protection sleeve (10) furthest from the combustion chamber (3) is frictionally connected to the sealing ring (20) by an axial pressing (14).

IPC 8 full level  
**F02M 53/04** (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP US)  
**F02M 53/04** (2013.01 - EP US); **F02M 61/14** (2013.01 - EP US); **F02M 61/18** (2013.01 - US); **F02M 2200/858** (2013.01 - EP US); **F02M 2700/077** (2013.01 - EP)

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

DOCDB simple family (publication)  
**WO 2020078817 A1 20200423**; CN 112912611 A 20210604; CN 112912611 B 20231121; DE 102018217768 A1 20200423; EP 3867519 A1 20210825; EP 3867519 B1 20221207; FI 3867519 T3 20230318; US 11536234 B2 20221227; US 2021381478 A1 20211209

DOCDB simple family (application)  
**EP 2019077453 W 20191010**; CN 201980068644 A 20191010; DE 102018217768 A 20181017; EP 19786771 A 20191010; FI 19786771 T 20191010; US 201917284537 A 20191010