

Title (en)  
INJECTOR CLAMP

Title (de)  
INJEKTORVERPRÄTZUNG

Title (fr)  
SURFACE DE SERRAGE D'INJECTEUR

Publication  
**EP 3945206 B1 20240501 (DE)**

Application  
**EP 21000191 A 20210720**

Priority  
DE 102020004625 A 20200730

Abstract (en)  
[origin: US2022034286A1] An internal combustion engine, in particular a diesel engine, in particular of a motor vehicle, includes at least one working cylinder and one cylinder head closing the working cylinder, in which an injector for injecting fuel is situated for the working cylinder. The engine includes a clamping claw for the injector for injecting fuel, whose one end is supported on the other end, in which at least two arms are provided in such a way that one arm of the clamping claw acts upon an injector in each case, and the injector presses against a seat or a seal in the cylinder head in a sealing manner with the aid of a defined force. The engine also includes a clamping screw designed as a push-through screw and including a screw head collar and a corresponding thread is provided in the cylinder head, which fastens the clamping claw at the cylinder head. The arms of the clamping claw are designed in such a way that the arms of the clamping claw are supported on a support surface at the injector and on a support surface at the cylinder head.

IPC 8 full level  
**F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: CN EP US)  
**F02M 61/14** (2013.01 - CN EP US); **F02M 61/168** (2013.01 - EP); **F02M 2200/852** (2013.01 - US); **F02M 2200/855** (2013.01 - EP US); **F02M 2200/858** (2013.01 - US)

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)  
**EP 3945206 A1 20220202**; **EP 3945206 B1 20240501**; CN 114060194 A 20220218; DE 102020004625 A1 20220203; US 11603816 B2 20230314; US 2022034286 A1 20220203

DOCDB simple family (application)  
**EP 21000191 A 20210720**; CN 202110860584 A 20210729; DE 102020004625 A 20200730; US 202117378800 A 20210719