

Title (en)

PISTON FOR INTERNAL COMBUSTION ENGINES, AND USE OF A PISTON FOR INTERNAL COMBUSTION ENGINES

Title (de)

KOLBEN FÜR VERBRENNUNGSMOTOREN UND VERWENDUNG EINES KOLBENS FÜR VERBRENNUNGSMOTOREN

Title (fr)

PISTON POUR DES MOTEURS À COMBUSTION INTERNE ET UTILISATION D'UN PISTON POUR DES MOTEURS À COMBUSTION INTERNE

Publication

**EP 3802900 A1 20210414 (DE)**

Application

**EP 19724164 A 20190510**

Priority

- DE 102018209267 A 20180611
- EP 2019062035 W 20190510

Abstract (en)

[origin: WO2019238321A1] The invention relates to a diesel engine piston which is cast as a single part and is made of virtually fully perlitic cast iron with spheroidal graphite as the piston material. The invention additionally relates to the use of such a diesel engine piston for light vehicle diesel engines, heavy duty diesel engines, and large bore diesel engines.

IPC 8 full level

**C22C 37/04** (2006.01); **B22D 19/00** (2006.01); **C22C 37/08** (2006.01); **C22C 37/10** (2006.01); **F01B 1/06** (2006.01)

CPC (source: EP US)

**B22D 15/02** (2013.01 - EP); **C22C 37/04** (2013.01 - EP); **C22C 37/08** (2013.01 - EP); **C22C 37/10** (2013.01 - EP); **F02F 3/0084** (2013.01 - US); **C21D 2211/009** (2013.01 - EP); **F02F 2003/0007** (2013.01 - US)

Citation (search report)

See references of WO 2019238321A1

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)

**DE 102018209267 A1 20191212**; CN 112135916 A 20201225; CN 112135916 B 20220715; EP 3802900 A1 20210414; US 11391237 B2 20220719; US 2021231080 A1 20210729; WO 2019238321 A1 20191219

DOCDB simple family (application)

**DE 102018209267 A 20180611**; CN 201980033504 A 20190510; EP 19724164 A 20190510; EP 2019062035 W 20190510; US 201915733953 A 20190510