

Title (en)
AIR-COOLED ENGINE UNIT

Title (de)
LUFTGEKÜHLTE MOTOREINHEIT

Title (fr)
ENSEMBLE MOTEUR REFROIDI À L'AIR

Publication
EP 3239505 B1 20200408 (EN)

Application
EP 15872729 A 20151210

Priority
• JP 2014258916 A 20141222
• JP 2015084619 W 20151210

Abstract (en)
[origin: EP3239505A1] An air-cooled engine unit is provided, in which deterioration of a catalyst is minimized even when the catalyst is provided close to an engine main body. An air-cooled engine unit (11) has a compression ratio of 10 or higher, and includes a close-to-combustion-chamber catalyst (53) provided in an exhaust passage member (51). A path length of a first portion of the exhaust passage member (51), the first portion being from an exhaust port to the catalyst (53), is shorter than a path length of a second portion of the exhaust passage member (51), the second portion being from the catalyst (53) to an atmosphere discharge port (64a).

IPC 8 full level
F02D 45/00 (2006.01); **F01N 3/20** (2006.01); **F01N 3/28** (2006.01); **F02D 9/10** (2006.01); **F02D 17/00** (2006.01); **F02D 29/02** (2006.01); **F02D 41/14** (2006.01); **F02D 43/00** (2006.01); **F02P 5/152** (2006.01)

CPC (source: EP)
F01N 3/28 (2013.01); **F01N 13/08** (2013.01); **F01P 1/02** (2013.01); **F02D 29/02** (2013.01); **F02D 41/0002** (2013.01); **F02D 41/2454** (2013.01); **F01N 9/00** (2013.01); **F01N 2340/02** (2013.01); **F01N 2560/025** (2013.01); **F01N 2590/04** (2013.01); **F01N 2900/08** (2013.01); **F02D 9/1055** (2013.01); **F02D 35/027** (2013.01); **F02P 5/152** (2013.01)

Citation (examination)
• WO 2009007060 A1 20090115 - YAMAHA MOTOR RES & DEV EUROPE SRL [IT], et al
• BMW MOTORRAD ET AL: "Bedienungsanleitung R 1200 GS", "R MODELS (K2X), 2004 ONWARD" - "0307 R 1200 GS" - "AUG. 2005 ONWARD" - "DEUTSCH", 1 May 2005 (2005-05-01), XP055516656, Retrieved from the Internet <URL:http://www.bmw-motorrad.com/com/en/index.html?content=http://www.bmw-motorrad.com/com/en/services/manuals/manuals_main.html rack=1> [retrieved on 20181018]

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EP3947929A4; WO2020202219A1

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)
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