

Title (en)

METHOD AND LEAKAGE DETECTION UNIT OF AN INTERNAL COMBUSTION ENGINE FOR LOCALIZING LEAKAGE OF AT LEAST ONE GASEOUS MEDIUM AT THE ENGINE

Title (de)

VERFAHREN UND LECKAGEDETEKTIONSEINHEIT EINER BRENNKRAFTMASCHINE ZUR LOKALISIERUNG EINER LECKAGE VON MINDESTENS EINEM GASFÖRMIGEN MEDIUM AN DER BRENNKRAFTMASCHINE

Title (fr)

PROCÉDÉ ET UNITÉ DE DÉTECTION DE FUITE D'UN MOTEUR À COMBUSTION INTERNE POUR LOCALISER UNE FUITE D'AU MOINS UN MILIEU GAZEUX AU NIVEAU DU MOTEUR

Publication

EP 4196758 A1 20230621 (EN)

Application

EP 21755361 A 20210803

Priority

- GB 202012476 A 20200811
- EP 2021025294 W 20210803

Abstract (en)

[origin: GB2597953A] The present invention relates to a method for localizing leakage of at least one gaseous medium at an internal combustion engine (10), comprising a step of emitting at least one electromagnetic radiation beam (two shown 26a,26b, with different wavelengths) through at least one analysis section (28) disposed at or in the vicinity of an outer surface of the engine (10); a step of measuring a radiation characteristic of the radiation beam (26) after passing through the analysis section (28); and a step of determining a leakage of the gaseous medium into the analysis section (28) in dependence on the measured radiation characteristic.

IPC 8 full level

G01M 3/02 (2006.01)

CPC (source: EP)

G01M 3/025 (2013.01); **G01M 3/38** (2013.01)

Citation (search report)

See references of WO 2022033715A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

GB 202012476 D0 20200923; **GB 2597953 A 20220216**; **GB 2597953 B 20230215**; EP 4196758 A1 20230621; WO 2022033715 A1 20220217

DOCDB simple family (application)

GB 202012476 A 20200811; EP 2021025294 W 20210803; EP 21755361 A 20210803