

Title (en)

MOUNTING ASSEMBLY FOR AN IGNITION DEVICE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

MONTAGEANORDNUNG FÜR EINE ZÜNDUNGSVORRICHTUNG EINER BRENNKRAFTMASCHINE

Title (fr)

ENSEMBLE DE MONTAGE POUR UN DISPOSITIF D'ALLUMAGE D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 3067552 A1 20160914 (EN)

Application

EP 15159011 A 20150313

Priority

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Abstract (en)

The present disclosure relates to a mounting assembly (100) for mounting an ignition device (150) to a cylinder head (12) of an internal combustion engine. The internal combustion engine includes at least one combustion chamber (14). The mounting assembly (100) comprises a cylinder head cover (4) configured to be mounted to the cylinder head (12). The cylinder head cover (4) includes a bore (24) extending along a bore axis (26). The bore (24) is fluidly connected to the at least one combustion chamber (14) via the cylinder head (12). The mounting assembly (100) further comprises a mounting flange (2) mounted to the cylinder head cover (4). The mounting flange (2) is configured to seal the bore (24) and to mount the ignition device (150). In the mounting assembly (100) at least one of the cylinder head cover (4) and the mounting flange (2) includes a venting passage (52) configured to fluidly connect the bore (24) to the atmosphere.

IPC 8 full level

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Citation (search report)

- [X] DE 29821239 U1 20000330 - BOSCH GMBH ROBERT [DE]
- [X] US 5771870 A 19980630 - SATOU YOSHITAKA [JP], et al
- [X] EP 1783361 A1 20070509 - HITACHI LTD [JP]
- [X] WO 03052264 A1 20030626 - BOSCH GMBH ROBERT [DE], et al
- [X] US 5944002 A 19990831 - TRACY LAWRENCE P [US], et al
- [X] US 2011297133 A1 20111208 - NAKAO KENGO [JP], et al
- [X] US 2007235013 A1 20071011 - MAEKAWA TOSHIO [JP]

Cited by

JP2021032172A

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