

Title (en)
FILTER BEARING MEMBER OF AN INTERNAL COMBUSTION ENGINE

Title (de)
FILTERTRÄGER EINES VERBRENNUNGSMOTORS

Title (fr)
ÉLÉMENT PORTE-FILTRE DE MOTEUR À COMBUSTION INTERNE

Publication
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Application
EP 09768256 A 20091021

Priority
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• SI 200800252 A 20081024

Abstract (en)
[origin: WO2010047664A1] A filter bearing member of an internal combustion engine is, when compared with known bearing members, essentially improved in the technical sense, and may moreover be economically manufactured by means of compression die-casting of aluminium or adequate alloys on the basis of aluminium and by means of relatively simple die-casting equipment i.e. molds, and simultaneously also by essentially reducing subsequently required machining operations. For such purposes, an air- filter positioning pin (31), which protrudes outwardly from the wall (3) apart from the bottom area (2), is formed integrally with the casting (1) as such, and comprises a subsequently machined seat (311), and analogously, also a fuel-filter positioning pin (21), which is located centrally on said bottom area (2), is formed integrally with the casting (1) as such and comprises a subsequently machined seat (211), by which a central passage (212) is surrounded, which is also obtained by subsequently machining of the casting (1). Besides, the passage (32) intended for introduction of the air-supplying tube throughout the wall (3) is of essential parabolic shape, so that its bottom edge (320) between the bottom area (2) and the wall (3) is essentially linear and is defined by means of two end points (321, 322), while the parabolic peripheral section of said passage is continuous and smoothly deflected away from the bottom area (2) and is completely positioned within an area, which is available between two lines, which extend throughout said end points (321, 322) of said linear edge (320) of said passage (32) in a direction (E) of closing or opening of the mold prior to or posterior to each casting operation.

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