Title (en)

Engine fuel rail and method of fabricating same

Title (de)

Brennstoffverteiler und dessen Herstellungsverfahren

Title (fr)

Rampe de carburant et son procédé de fabrication

Publication

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Application

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Priority

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Abstract (en)

The invention provides an engine fuel rail (F) compact and having highly reliable functions because it is an insert-molded product integral with an electrical wiring (3), contributing to reduction in the number of fabrication steps and cost of fabrication, and a method of fabricating the same. An oil delivery path (2) and the electrical wiring (3) in parallel therewith are embedded in a base member (1) molded from a synthetic resin, as a main body, so as to be integral with each other, and a plurality of branching blocks (4) for respective cylinders of an engine are provided protuberantly on the right side and the left side of the base member (1), alternately, the base member (1) having an opening at one end thereof to serve as a socket (5) on an input side for the electrical wiring (3), while the end face of respective branching blocks (4) has an opening to serve as a fixture mount (6) for respective injectors and an opening to serve as a socket (7) on an output side for connection of the respective injectors with the electrical wiring (3). Thus, the engine fuel rail (F) of the invention can be fabricated as a component at a low cost because it is an insert-molded product integral with the electrical wiring (3) and the cord can be omitted. Further, it can be provided as a highly reliable product capable of withstanding severe ambient conditions existing inside an engine room in addition to having suitability for saving of labor in application due to reduction in the number of fabrication steps, and capability of rendering the product lighter in weight and compact. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

F02M 51/005 (2013.01); **F02M 69/465** (2013.01)

Citation (search report)

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