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Ide et al.

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(54) **CONTROLLING APPARATUS FOR AN ENGINE**

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(57) **ABSTRACT**

A controlling apparatus for an engine includes a purge path connected to a sealing-type fuel tank and an intake system of an engine and is configured to allow purge gas containing evaporated fuel from the fuel tank to flow therethrough. A purge valve placed in the purge path is configured to adjust a flow rate of the purge gas. A calculation unit calculates a degree of opening of the purge valve based on a target introduction ratio of the purge gas, and a controlling unit controls the purge valve so as to establish the degree of opening calculated by the calculation unit. The calculation unit corrects, in high-pressure purge performed when a pressure in the fuel tank increases exceeding a predetermined pressure, the degree of opening using a tank pressure flow velocity correction coefficient K2 corresponding to an upstream pressure of the purge valve.

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CPC **F02M 25/0836** (2013.01); **F02D 41/004** (2013.01); **F02M 25/089** (2013.01)

(58) **Field of Classification Search**
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See application file for complete search history.

9 Claims, 6 Drawing Sheets

