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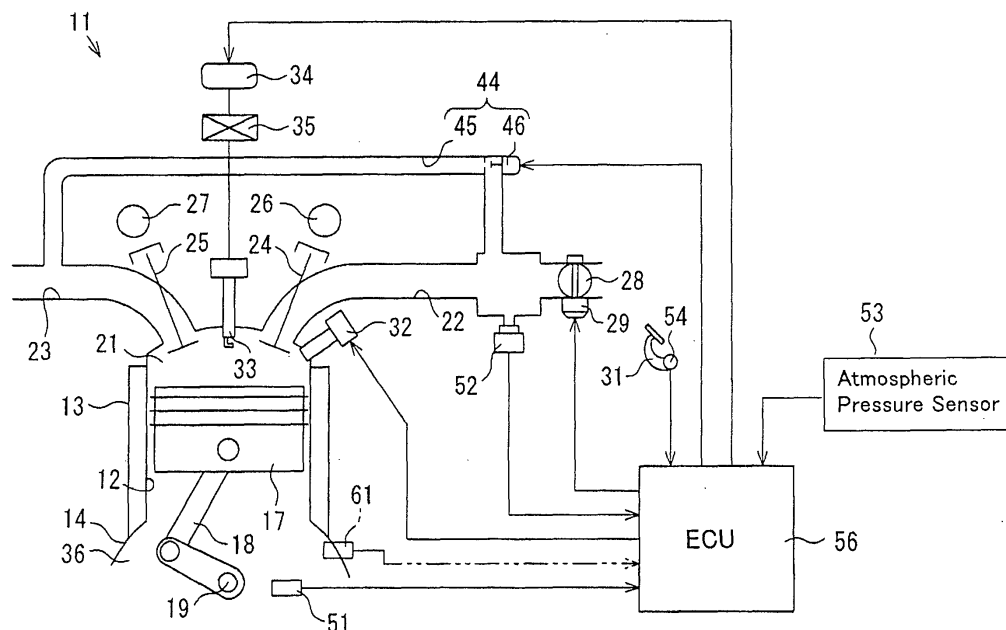
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(54) **Controller for internal combustion engine**

(57) A controller for controlling an engine (11) to generate an output torque that is substantially equal to a target torque required by a driver. An ECU (56) calculates a pumping loss torque based on a pressure difference between a pressure in a crank chamber and an intake air pressure. The pumping loss torque is loss of an output

torque of a crankshaft (19) caused by a pumping loss that occurs when a piston reciprocates. The ECU adds the pumping loss torque to the target torque required by the driver to calculate a final target torque. The ECU controls the engine based on the final target torque reflecting the pumping loss torque that is in accordance with the driving state of the engine.

Fig. 1





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EP 05 01 1611

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Place of search		Date of completion of the search	Examiner
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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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