

Title (en)
CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

Title (de)
STEUERUNGSVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
DISPOSITIF DE COMMANDE POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 2492480 B1 20151125 (EN)

Application
EP 10824679 A 20100315

Priority

- JP 2009244399 A 20091023
- JP 2010054317 W 20100315

Abstract (en)
[origin: EP2492480A1] Provided is a control device for an internal combustion engine which can decrease a load applied to a drive system of a high pressure pump at the time of restarting the internal combustion engine from an automatic stop state of the internal combustion engine. A control device for an internal combustion engine which can execute an idling stop control includes: an idling stop condition satisfaction detection part which detects that a predetermined idling stop condition is satisfied and outputs an instruction to automatically stop the internal combustion engine; a restarting condition satisfaction detection part which detects that a predetermined restarting condition is satisfied during an automatic stop of the internal combustion engine and outputs an instruction to restart the internal combustion engine; a rail pressure detection part which detects pressure in the common rail; and a pressure control valve control part which opens the pressure control valve before restarting the internal combustion engine when the pressure in the common rail becomes a predetermined threshold value or more at the time of satisfying the restarting condition.

IPC 8 full level
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CPC (source: EP)
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Cited by
CN105909413A; CN108138676A; US11261820B2; US10865729B2

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