

Title (en)
COMBUSTION CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

Title (de)
VERBRENNUNGSSTEUERUNGSVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

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

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Application
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Abstract (en)
The invention provides a combustion control device applied to an internal combustion engine having a glow plug 23, the glow plug 23 heating a gas in a cylinder, the combustion control device comprising: a compression end temperature estimating means for estimating a compression end temperature T_t which is a temperature of the gas in a cylinder when a position of a piston moving in the cylinder in a reciprocating manner is at the compression top dead center; and a compression end temperature changing means for causing the internal combustion engine to perform a compression end temperature increasing operation in the case where the compression end temperature T_t estimated by the compression end temperature estimating means is lower than a predetermined compression end reference temperature T_{ref} during the operation of the glow plug, the compression end temperature increasing operation changing the compression end temperature T_t to be equal to or higher than the predetermined compression end reference temperature T_{ref} .

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