

Title (en)

PULSE START METHOD AND PULSE START DEVICE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

IMPULSSTARTVERFAHREN UND IMPULSSTARTVORRICHTUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE DEMARRAGE PAR IMPULSION ET DISPOSITIF DE DEMARRAGE PAR IMPULSION POUR MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: DE19956384C1] The invention relates to a pulse start method for an internal combustion engine according to which a balance weight is accelerated in a rotationally driven manner during a wind-up phase and, during a coupling phase, the rotating balance weight is subsequently coupled to a rotationally mounted shaft, preferably to a crankshaft, of the internal combustion engine in order to transmit torque. The inventive method is characterized in that the progression of the rotational speed of the balance weight (3) is evaluated during the wind-up phase (15) and/or coupling phase (21, 22), and in that this evaluation is used to determine whether it is possible to successfully start the internal combustion engine (1). In the case that a successful start is not expected, the shaft (2) brings the internal combustion engine (1) into an operating position that is favorable for executing a successive second start attempt.

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