

Title (en)

STARTER HAVING A SWITCHABLE NUMBER OF POLE PAIRS

Title (de)

STARTER MIT UMSCHALTBARER POLPAARZAHL

Title (fr)

DÉMARREUR À NOMBRE DE PAIRES DE PÔLES COMMUTABLES

Publication

EP 2425116 B1 20130116 (DE)

Application

EP 10719931 A 20100429

Priority

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- DE 102009002721 A 20090429

Abstract (en)

[origin: WO2010125139A1] The invention relates to a starter (10) for an internal combustion engine, comprising a starter motor (12), which can be connected to a direct voltage network (30, 31) by means of a switching device (27). In order to improve the process of meshing a starter pinion (22) into a ring gear (26) of an internal combustion engine, it is proposed that the excitation winding (37) of the starter motor (12) be divided into several partial windings (a-f), which can optionally be connected to the direct voltage network (30, 31) by the switching device (27) in a staggered manner.

IPC 8 full level

F02N 11/08 (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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