

Title (en)

Vehicle alternator used as generator and as electric motor for starting the internal combustion engines of this vehicle

Title (de)

Alternator für Kraftfahrzeug angewendet als Generator und als elektrischer Motor zum Anlassen des Verbrennungsmotors des Kraftfahrzeuges

Title (fr)

Alternateur de véhicule automobile utilisé comme générateur et comme moteur électrique pour le démarrage du moteur à combustion interne du véhicule

Publication

EP 0793013 B1 20020703 (FR)

Application

EP 97400426 A 19970226

Priority

FR 9602463 A 19960228

Abstract (en)

[origin: EP0793013A1] The alternator for the vehicle is used on the one hand as the generator, and on the other hand as the electric motor for starting the vehicle internal combustion engine. The alternator comprises a wound rotor (4) and a stator (5) with several phases connected to a diode bridge (6) and interrupters for the rectification and control of these phases. The alternator also includes a device for the control of the interrupters (7), such that it comprises a unit for recognition of a coded signal transmitted by a transmitter inside the vehicle. The control unit only controls the phases of the stator for starting the internal combustion engine when it receives the coded signal transmission authorising the operation of the starter.

IPC 1-7

F02N 11/04

IPC 8 full level

F02N 11/04 (2006.01)

CPC (source: EP US)

F02N 11/04 (2013.01 - EP US)

Cited by

FR2925618A1; FR3062004A1; FR2896105A1; FR2925617A1; EP1046811A1; DE19918513C1; US6418899B1; US8583321B2; WO2009081045A3

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0793013 A1 19970903; EP 0793013 B1 20020703; DE 69713641 D1 20020808; DE 69713641 T2 20030220; ES 2179283 T3 20030116; FR 2745445 A1 19970829; FR 2745445 B1 19980507; US 6002219 A 19991214

DOCDB simple family (application)

EP 97400426 A 19970226; DE 69713641 T 19970226; ES 97400426 T 19970226; FR 9602463 A 19960228; US 80713597 A 19970227