

Title (en)
End face type commutator and process of manufacturing thereof

Title (de)
Stirnkollektor und dessen Herstellungsverfahren

Title (fr)
Collecteur frontal et son procédé de fabrication

Publication
EP 0709937 A2 19960501 (EN)

Application
EP 95402408 A 19951026

Priority
IL 11140694 A 19941026

Abstract (en)
An end-face type commutator, especially for motor starters, comprising a conducting annular disc having front and rear sides and a central passage, the disc being divided into a plurality of lamellae by radial grooves. The annular conducting disc is coaxially embedded in an insulating annular housing and engaged at its front and rear sides therein in such a manner that, from its front side the disc is secured by an insulating annular plate constituting an integral part of the housing and preventing axial displacement of the lamellae during rotation of the commutator, and from its rear side the conducting disc is provided with an outer and an inner annular protrusions forming a coupling between the lamellae of the conducting disc and the insulating housing and preventing radial displacement of the lamellae during the rotation. The outer annular protrusion has a rectangular cross-section and is provided substantially along the outer circumference of the annular conducting disc, whilst the inner annular protrusion is formed along the central passage of said annular disc by flanging thereof in such a manner that the central passage has the shape of a truncated cone narrowing towards the front side of the disc. <IMAGE>

IPC 1-7
H01R 39/06

IPC 8 full level
H01R 39/06 (2006.01); **H01R 43/06** (2006.01)

CPC (source: EP)
H01R 39/06 (2013.01); **H01R 43/06** (2013.01)

Citation (applicant)
• FR 1456598 A 19660708 - MAVILOR
• DE 1101601 B 19610309 - BOSCH GMBH ROBERT
• SU 650140 A1 19790228 - KHARCHENKO EVGENIJ [SU], et al

Cited by
WO2004054074A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0709937 A2 19960501; EP 0709937 A3 19961030; IL 111406 A0 19941229

DOCDB simple family (application)
EP 95402408 A 19951026; IL 11140694 A 19941026