

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 A3 19961030 (EN)**

Application  
**EP 95402408 A 19951026**

Priority  
IL 11140694 A 19941026

Abstract (en)  
[origin: EP0709937A2] 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>

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IPC 8 full level  
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CPC (source: EP)  
**H01R 39/06** (2013.01); **H01R 43/06** (2013.01)

Citation (search report)  
• [A] FR 2624315 A1 19890609 - EQUIP ELECTR MOTEUR [FR]  
• [A] FR 2189898 A1 19740125 - LUCAS ELECTRICAL CO LTD [GB]  
• [A] GB 738823 A 19551019 - HOOVER LTD  
• [AD] DATABASE WPI Section EI Week 7947, Derwent World Patents Index; Class V04, AN 79-K9700B, XP002012056

Cited by  
WO2004054074A1

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