

Title (en)  
Commutator device for electrical machines

Title (de)  
Stromwendevorrichtung für elektrische Maschinen

Title (fr)  
Dispositif de commutateur pour machines électriques

Publication  
**EP 0966072 A3 20000913 (DE)**

Application  
**EP 99107597 A 19990416**

Priority  
DE 19826883 A 19980617

Abstract (en)  
[origin: EP0966072A2] The current switching device has a commutator (10) provided by a number of current conductive laminations (12) and cooperating radial current brushes (11), pressed into contact with the outer mantle of the commutator, which has a concave shape.

IPC 1-7  
**H01R 39/46**; **H02K 13/10**

IPC 8 full level  
**H01R 39/04** (2006.01); **H01R 39/46** (2006.01); **H02K 13/10** (2006.01)

CPC (source: EP)  
**H01R 39/04** (2013.01); **H01R 39/46** (2013.01)

Citation (search report)

- [A] US 4638202 A 19870120 - EBNER HOWARD A [US]
- [A] US 4763036 A 19880809 - YU KWONG-KWAN [HK]
- [A] FR 2257162 A1 19750801 - PREUX ROGER [FR]
- [A] US 5049772 A 19910917 - MOTTIER FRANCOIS M [US], et al
- [A] DE 2643191 A1 19780323 - SIEMENS AG

Cited by  
DE102014225515A1; DE10058872A1; DE102010064321A1; DE10159761B4; DE102013226895A1; CN106663908A; FR2889628A1; CN103715580A; CN105703551A; FR2998113A1; EP2733795A3; DE102012218095A1; WO2016008623A1; WO2007017258A1

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