

Title (en)  
COMMUTATOR WITH REINFORCING RING

Title (de)  
KOMMUTATOR MIT ARMIERUNGSRING

Title (fr)  
COMMUTATEUR MUNI D'UNE BAGUE D'ARMATURE

Publication  
**EP 0944938 A1 19990929 (DE)**

Application  
**EP 96943938 A 19961212**

Priority  
• EP 9605576 W 19961212  
• FR 9715463 A 19971208

Abstract (en)  
[origin: US6157108A] A commutator (10, 110, 210) with a reinforcing system comprising a stepped insulating ring (20, 120, 220) with a support piece (22, 122, 222) and a center or flange piece (24, 124, 224) and a metal ring (18, 118, 218) which has a rectangular cross-section and is fitted into the stepped shape of the insulating ring such that part of the radial outer surface of the metal ring abuts the radial inner surface of the center or flange piece, and the end inner surface of the metal ring completely abuts the end outer surface of the support piece.

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**H01R 43/06**; **H01R 39/06**

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

CPC (source: EP KR US)  
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See references of WO 9826478A1

Designated contracting state (EPC)  
AT CH DE DK ES FR GB IT LI NL SE

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