

Title (en)  
COMMUTATOR

Title (de)  
KOMMUTATOR

Title (fr)  
COMMUTATEUR

Publication  
**EP 1647085 A1 20060419 (DE)**

Application  
**EP 04732936 A 20040514**

Priority  
• DE 2004001008 W 20040514  
• DE 10332016 A 20030714

Abstract (en)  
[origin: WO2005008863A1] Disclosed is a commutator (20) for an electric motor (10), comprising lamellae (22, 24), contact bridges (30) via which lamellae (22, 24) having the same electrical potential are interconnected, and contacts (26) that are disposed on lamellae (22) and are used for connecting wires (18) of the armature winding. Only every other lamella (22) is provided with a hook (26) for the wires (18) of the armature winding, thus creating more space for winding the wire (18).

IPC 1-7  
**H02K 13/00**; H02K 13/14; H01R 39/04; H01R 39/32; H02K 23/38; H02K 27/00; H02K 27/24

IPC 8 full level  
**H01R 39/32** (2006.01); **H02K 13/04** (2006.01)

CPC (source: EP KR)  
**H01R 39/32** (2013.01 - EP); **H02K 13/00** (2013.01 - KR); **H02K 13/04** (2013.01 - EP)

Citation (search report)  
See references of WO 2005008863A1

Designated contracting state (EPC)  
CZ DE FR HU IT

DOCDB simple family (publication)  
**WO 2005008863 A1 20050127**; CN 1823463 A 20060823; DE 10332016 A1 20050210; EP 1647085 A1 20060419; JP 2006526380 A 20061116; KR 20060032201 A 20060414

DOCDB simple family (application)  
**DE 2004001008 W 20040514**; CN 200480020474 A 20040514; DE 10332016 A 20030714; EP 04732936 A 20040514; JP 2006508110 A 20040514; KR 20067000757 A 20060112