

Title (en)  
ELECTRICAL MACHINE

Title (de)  
ELEKTRISCHE MASCHINE

Title (fr)  
MACHINE ÉLECTRIQUE

Publication  
**EP 1997212 A1 20081203 (DE)**

Application  
**EP 07703912 A 20070116**

Priority  
• EP 2007050397 W 20070116  
• DE 102006011601 A 20060314

Abstract (en)  
[origin: WO2007104589A1] The invention describes an electrical machine comprising an armature (20) with armature slots (24) for accommodating armature coils and a commutator (10) with commutator laminates (11), wherein at least one armature coil is formed from two coil elements (25, 26), which are arranged symmetrically with respect to one another in relation to the axis of rotation (21) of the armature (20). The electrical machine is characterized in that the number of commutator laminates (11) is an integral multiple of the number of armature slots (24).

IPC 8 full level  
**H02K 13/00** (2006.01)

CPC (source: EP KR US)  
**H02K 13/00** (2013.01 - KR); **H02K 13/10** (2013.01 - EP KR US); **H02K 23/34** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007104589A1

Designated contracting state (EPC)  
CZ DE FR PL

DOCDB simple family (publication)  
**DE 102006011601 A1 20070920**; BR PI0708892 A2 20110628; CN 101401281 A 20090401; EP 1997212 A1 20081203; JP 2009529853 A 20090820; KR 20080108458 A 20081215; US 2009236928 A1 20090924; WO 2007104589 A1 20070920

DOCDB simple family (application)  
**DE 102006011601 A 20060314**; BR PI0708892 A 20070116; CN 200780008203 A 20070116; EP 07703912 A 20070116; EP 2007050397 W 20070116; JP 2008558736 A 20070116; KR 20087022410 A 20080912; US 28083707 A 20070116