

Title (en)
motor with COMMUTATOR

Title (de)
Kommutatormotor

Title (fr)
moteur avec COMMUTATEUR

Publication
EP 2856581 A1 20150408 (DE)

Application
EP 13727044 A 20130516

Priority
• DE 102012010481 A 20120526
• EP 2013001455 W 20130516

Abstract (en)
[origin: WO2013178328A1] The invention relates to a method for producing a brush (30) for a commutator motor (14), particularly for a motor vehicle fan (2), for electrically contacting a connected contact lead (42) to a commutator (26) by means of spring-loaded contact with the commutator (26). According to said method, a brush material (66), particularly carbon dust, is poured into a cuboid matrix (60) and compressed by means of a plunger (62, 70) in the contact direction (38). The invention also relates to such a brush (30) and to a commutator motor (14).

IPC 8 full level
H01R 39/415 (2006.01); **H01R 43/12** (2006.01); **H02K 13/00** (2006.01); **H01R 39/26** (2006.01); **H01R 39/32** (2006.01)

CPC (source: CN EP US)
H01R 39/26 (2013.01 - CN US); **H01R 39/32** (2013.01 - CN); **H01R 39/381** (2013.01 - CN US); **H01R 39/415** (2013.01 - CN EP); **H01R 43/12** (2013.01 - CN EP US); **H02K 13/006** (2013.01 - CN EP US); **H01R 39/26** (2013.01 - EP); **H01R 39/32** (2013.01 - EP US); **H01R 39/415** (2013.01 - US)

Citation (search report)
See references of WO 2013178328A1

Citation (examination)
US 5487213 A 19960130 - HULT DAVID R [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102012010481 A1 20131128; BR 112014029135 A2 20170627; CN 104335435 A 20150204; CN 104335435 B 20170426; EP 2856581 A1 20150408; US 2015076958 A1 20150319; US 9954334 B2 20180424; WO 2013178328 A1 20131205

DOCDB simple family (application)
DE 102012010481 A 20120526; BR 112014029135 A 20130516; CN 201380027725 A 20130516; EP 13727044 A 20130516; EP 2013001455 W 20130516; US 201414554360 A 20141126