

Title (en)

METHOD FOR MANUFACTURING END COMMUTATORS IN ELECTRIC MOTORS

Publication

**EP 0040163 B1 19850213 (FR)**

Application

**EP 81420069 A 19810507**

Priority

FR 8011151 A 19800509

Abstract (en)

[origin: ES8203168A1] A method of manufacturing frontal commutators including placing mica sheets in precut grooves of a commutator blank and contacting the blank to retain the mica sheets in place.

IPC 1-7

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

IPC 8 full level

**H01R 43/08** (2006.01); **H01R 39/06** (2006.01); **H01R 43/06** (2006.01); **H02K 13/00** (2006.01)

CPC (source: EP US)

**H01R 39/06** (2013.01 - EP US); **H01R 43/08** (2013.01 - EP US); **Y10T 29/49011** (2015.01 - EP US); **Y10T 29/49799** (2015.01 - EP US)

Cited by

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Designated contracting state (EPC)

CH DE GB IT LI NL SE

DOCDB simple family (publication)

**EP 0040163 A1 19811118**; **EP 0040163 B1 19850213**; CA 1171254 A 19840724; DE 3168867 D1 19850328; DE 40163 T1 19830317; ES 502070 A0 19820216; ES 8203168 A1 19820216; FR 2482375 A1 19811113; FR 2482375 B1 19830429; JP H0350498 B2 19910801; JP S573556 A 19820109; SU 1168105 A3 19850715; US 4439913 A 19840403

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**EP 81420069 A 19810507**; CA 377186 A 19810508; DE 3168867 T 19810507; DE 81420069 T 19810507; ES 502070 A 19810509; FR 8011151 A 19800509; JP 7006581 A 19810508; SU 3282852 A 19810508; US 26169781 A 19810508