

Title (en)
HAIR-REMOVING DEVICE

Title (de)
HAARENTFERNUNGSGERÄT

Title (fr)
DISPOSITIF D'ÉPILATION

Publication
EP 1549468 B1 20111109 (DE)

Application
EP 03750660 A 20030930

Priority
• DE 10246519 A 20021005
• EP 0310829 W 20030930

Abstract (en)
[origin: DE10246519A1] The razor actuator head (1) has cutters (2,3,4) connected electrically to the bases of transistors (10,11,12) in the electronic circuit (9). If a cutter is in contact with the skin current flows through body resistance (18) turning on the appropriate transistor indicating that contact exists. Zero current indicates no contact and driver (17) energizes the motor drive (7) adjusting the position of the head until contact is made.

IPC 8 full level
B26B 19/00 (2006.01); **A45D 26/00** (2006.01); **B26B 19/04** (2006.01); **B26B 19/10** (2006.01); **B26B 19/38** (2006.01)

CPC (source: EP)
A45D 26/0028 (2013.01); **B26B 19/04** (2013.01); **B26B 19/063** (2013.01); **B26B 19/10** (2013.01); **B26B 19/38** (2013.01); **B26B 19/386** (2013.01); **B26B 19/388** (2013.01)

Cited by
CN107974790A; CN110785102A; RU2606329C2; US11298839B2; EP3546150A1; US11027442B2; EP3546148A1; US11097437B2; EP3450120A1; WO2019043503A1; US11260550B2; EP3546153A1; EP3546151A1; US11548177B2; EP3546153B1

Designated contracting state (EPC)
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WO 2004033164 A1 20040422; AT E532611 T1 20111115; AU 2003270293 A1 20040504; CN 100431810 C 20081112; CN 1688420 A 20051026; DE 10246519 A1 20040415; EP 1549468 A1 20050706; EP 1549468 B1 20111109; JP 2006501911 A 20060119; JP 4795687 B2 20111019

DOCDB simple family (application)
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