

Title (en)
Hair clipper

Title (de)
Haarschneidemaschine

Title (fr)
Tondeuse

Publication
EP 1810796 A1 20070725 (EN)

Application
EP 07000349 A 20070109

Priority
JP 2006013496 A 20060123

Abstract (en)
A hair clipper 10 is adapted to vibrate a comb-shaped movable blade 30 with a vibratory linear actuator 12 in a state that the comb-shaped movable blade 30 is pressed against a comb-shaped fixed blade 29 by means of spring members 31. The spring members 31 also serve as a resonance spring for resonating the movable blade 30 in the reciprocating movement directions "F" and it is possible to independently adjust a spring force component "H" acting to press the movable blade 30 against the fixed blade 29 and a spring force component "I" acting to resonate the movable blade 30 in the reciprocating movement directions "F". Thus, by increasing the spring force component "H" acting to press the movable blade 30 against the fixed blade 29, it is possible to improve a cutting performance of the hair clipper 10 while reducing the size thereof.

IPC 8 full level
B26B 19/06 (2006.01)

CPC (source: EP KR)
B26B 19/06 (2013.01 - EP); **B26B 19/12** (2013.01 - KR); **B26B 19/38** (2013.01 - KR)

Citation (search report)

- [X] US 2917824 A 19591222 - JAKOB BRAUSS GUSTAV
- [X] US 4825546 A 19890502 - ARAKI MASAKATSU [JP], et al
- [X] WO 2005075160 A1 20050818 - OH TAE-JUN [KR]
- [A] US 3242570 A 19660329 - WILLEM TIETJENS EDUARD
- [A] DE 2029664 A1 19710506

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1810796 A1 20070725; **EP 1810796 B1 20091223**; AT E452733 T1 20100115; DE 602007003864 D1 20100204; JP 2007190311 A 20070802; JP 4251183 B2 20090408; KR 100872539 B1 20081208; KR 20070077441 A 20070726

DOCDB simple family (application)
EP 07000349 A 20070109; AT 07000349 T 20070109; DE 602007003864 T 20070109; JP 2006013496 A 20060123; KR 20070003738 A 20070112