

Title (en)
MAGNETIC BLADE SHARPENER

Title (de)
MAGNETISCHER KLINGENSCHÄRFER

Title (fr)
AFFÛTEUR MAGNÉTIQUE

Publication
EP 3157375 B1 20180321 (DE)

Application
EP 15752914 A 20150616

Priority
• DE 202014005075 U 20140618
• EP 2015001217 W 20150616

Abstract (en)
[origin: WO2015192963A1] The invention relates to a magnetic blade sharpener, in particular a magnetic razor blade sharpener, preferably for wet razors, said magnetic blade sharpener having an optimized magnetic circuit. The aim of the invention is to design a magnetic blade sharpener, in particular a magnetic razor blade sharpener, preferably for wet razors, said magnetic blade sharpener having an optimized magnetic circuit after the application of a force (1), the forces acting on interfaces of materials with different permeability values μ that are subject to the magnetic flux, in particular forces at the interfaces of iron-air transitions. The particularly advantageous property of the device according to the invention is that hair-cutting devices, in particular razors, which have handles, head pieces and blade systems of different types, can be resharpened quickly, effectively and without impairment by way of the magnetic method according to the invention. The embodiment of the sharpening magnet incorporated into the storage and resharpening device does not require the user to have any knowledge of mathematics or physics so that particularly independently of the pitch angle of the blades of a razor required by the manufacturer the magnet surface of the sharpener is optimally spaced apart from the blade plane in a substantially perpendicular manner. The magnetic attraction forces between the resharpening magnet and the razor also help to ensure the correct parallel position of the blade cutting edges to the longitudinal extension of the sharpening magnet during sharpening. The storage and resharpening device according to the invention is advantageously designed as a free-standing device in which the hair cutting device is stored in a substantially perpendicular position, rotated by approximately 180° relative to the position of use.

IPC 8 full level
A45D 27/29 (2006.01); **B24D 15/10** (2006.01)

CPC (source: EP)
A45D 27/29 (2013.01); **B24D 15/10** (2013.01); **B24D 15/105** (2013.01)

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

DOCDB simple family (publication)
DE 202014005075 U1 20140721; DK 3157375 T3 20180702; EP 3157375 A1 20170426; EP 3157375 B1 20180321;
WO 2015192963 A1 20151223

DOCDB simple family (application)
DE 202014005075 U 20140618; DK 15752914 T 20150616; EP 15752914 A 20150616; EP 2015001217 W 20150616