

Title (en)
Two step abrasive sharpener

Title (de)
Zweistufiger Schleifschärfer

Title (fr)
Affûteuse à deux étapes

Publication
EP 2103386 B1 20121114 (EN)

Application
EP 09155284 A 20090316

Priority
US 6964908 P 20080314

Abstract (en)
[origin: EP2103386A1] An abrasive sharpener having a housing supporting a pair of sharpening slots having abrasive elements mounted therein. The bottom of the housing is formed with an open V-shaped groove for supporting the housing on the edge of a table, bench and the like. The bottom further includes a pair of flat bottom surfaces separated by the V-shaped groove for supporting the housing on a flat surface. The V-shaped groove is opened ended and extends along an axis generally perpendicular to the direction that a knife edge and the like is pulled through either slot for sharpening.

IPC 8 full level
B24D 15/08 (2006.01); **B24D 15/06** (2006.01)

CPC (source: EP US)
B24D 15/065 (2013.01 - EP US); **B24D 15/08** (2013.01 - EP US); **B24D 15/081** (2013.01 - EP US)

Cited by
EP2626172A3; CN103692369A; USD885158S; USD884449S; USD852604S; USD852605S; USD852606S

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
EP 2103386 A1 20090923; **EP 2103386 B1 20121114**; US 2009298401 A1 20091203; US 2014057541 A1 20140227;
US 2015321320 A1 20151112

DOCDB simple family (application)
EP 09155284 A 20090316; US 201313936195 A 20130707; US 201514659106 A 20150316; US 38176609 A 20090316