

Title (en)  
Electric nail polisher

Title (de)  
Elektrischer Nagelpolierer

Title (fr)  
Polisseur d'ongles électrique

Publication  
**EP 1982613 A2 20081022 (EN)**

Application  
**EP 08153456 A 20080327**

Priority  
JP 2007087694 A 20070329

Abstract (en)  
An electric nail polisher that includes a file member rotationally driven by a motor 14 is comprised of a substantially tube-shaped grip unit 10 for housing the motor 14 and a battery 12; a rotary shaft 20 that protrudes from the center of one end of that grip unit 10 in the longitudinal direction of the grip unit 10; three file members 26 of a fixed diameter and of different file tooth coarseness, which are closely in contact in the axial direction of that rotary shaft 20, ring-shaped V grooves 26 formed in the outer circumferences of the contact portions of adjacent file members in which file teeth of different coarseness are formed, and a conical file member 28 for nail edge finishing which protrudes from the tip end surface of the file member at the tip end.

IPC 8 full level  
**A45D 29/05** (2006.01); **A45D 29/14** (2006.01)

CPC (source: EP)  
**A45D 29/05** (2013.01); **A45D 29/14** (2013.01)

Citation (applicant)

- JP S5639442 B2 19810912
- JP S4528330 B1
- JP S63160707 U 19881020
- JP S5458482 U 19790423

Cited by  
US2015150353A1; CN104783476A; US2015173484A1; US9491997B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 1982613 A2 20081022**; **EP 1982613 A3 20101103**; CN 101332010 A 20081231; CN 101332010 B 20100602; JP 2008245711 A 20081016; JP 5030274 B2 20120919

DOCDB simple family (application)  
**EP 08153456 A 20080327**; CN 200810090405 A 20080331; JP 2007087694 A 20070329