

Title (en)  
MULTI-TAPERED DENTAL FILES

Title (de)  
DENTALFEILEN MIT MEHREREN KONIZITÄTEN

Title (fr)  
LIMES DENTAIRES A ANGLES DE DEPOUILLE MULTIPLES

Publication  
**EP 1357851 A4 20050928 (EN)**

Application  
**EP 02707719 A 20020205**

Priority  
• US 0203516 W 20020205  
• US 26606601 P 20010205

Abstract (en)  
[origin: WO02062251A2] A series of multi-tapered files is disclosed for endodontic use. The files comprise at least two sections, a first portion adjacent the tip of the file and a second portion adjacent the shank. The two portions have different tapers. The files are provided in sets of at least four with the tapers of the first portions of all of the files decreasing incrementally from the first to the last file of the set. In some of the sets, the tapers of the second portions are the same from file to file, being fixed at one of two selected tapers. In other sets, the tapers of the second portions increase from file to file as the tapers of the first portions decrease.

IPC 1-7  
**A61C 5/02**

IPC 8 full level  
**A61C 5/02** (2006.01); **A61C 5/42** (2017.01)

CPC (source: EP)  
**A61C 5/42** (2017.01)

Citation (search report)  
• [XA] US 6106296 A 20000822 - JOHNSON WILLIAM B [US]  
• [XA] US 5855479 A 19990105 - WONG NELSON J [US], et al  
• [XA] US 4850867 A 19890725 - SENIA E STEVE [US], et al  
• [XA] DE 19723695 A1 19981210 - HOPPE WOLFGANG DR MED DENT UNI [DE]  
• See references of WO 02062251A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 02062251 A2 20020815; WO 02062251 A3 20021010; WO 02062251 A9 20030130**; BR 0206749 A 20040210; CA 2436300 A1 20020815; CN 1527685 A 20040908; EP 1357851 A2 20031105; EP 1357851 A4 20050928; IL 157042 A0 20040208; JP 2004522524 A 20040729; KR 20030084918 A 20031101; MX PA03006928 A 20041015

DOCDB simple family (application)  
**US 0203516 W 20020205**; BR 0206749 A 20020205; CA 2436300 A 20020205; CN 02804502 A 20020205; EP 02707719 A 20020205; IL 15704202 A 20020205; JP 2002562260 A 20020205; KR 20037010205 A 20030801; MX PA03006928 A 20020205