



US006488034B1

(12) **United States Patent**
Blazek(10) Patent No.: **US 6,488,034 B1**
(45) Date of Patent: ***Dec. 3, 2002**(54) **FILE, PARTICULARLY NAIL FILE**(76) Inventor: **Dalibor Blazek, Olbrachtova 600/II,
290 01 Podebrady (CZ)**

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

2,308,524 A	1/1943	Pouech	132/76.4
2,699,791 A	1/1955	Hansen	132/76.4
3,648,318 A *	3/1972	Tsuruzawa	451/533
3,866,618 A *	2/1975	Tsukamoto	132/76.4
4,422,465 A	12/1983	Haga	132/76.4
4,497,694 A *	2/1985	Bankier et al.	204/16
4,785,835 A *	11/1988	Bray	132/76.4
5,119,839 A *	6/1992	Rudolph	132/200
5,361,786 A	11/1994	Pangburn	132/200
5,779,519 A *	7/1998	Oliver	451/28
5,813,416 A *	9/1998	Rudolph	132/76.4
6,012,461 A *	2/2000	McKew	132/73
6,027,402 A *	2/2000	Oliver	451/533
6,145,512 A *	11/2000	Daley	132/76.4

(21) Appl. No.: **09/254,578**(22) PCT Filed: **Jul. 9, 1998**(86) PCT No.: **PCT/CZ98/00030**§ 371 (c)(1),
(2), (4) Date: **Apr. 14, 1999**(87) PCT Pub. No.: **WO99/02064**PCT Pub. Date: **Jan. 21, 1999**(30) **Foreign Application Priority Data**Jul. 10, 1997 (CZ) **PLV693697**(51) Int. Cl.⁷ **A45D 29/18**(52) U.S. Cl. **132/76.4; 132/76.5**(58) Field of Search **132/76.4, 76.5;
451/28, 59, 533, 539, 525**(56) **References Cited****U.S. PATENT DOCUMENTS**

1,907,196 A 5/1933 Aitken

FOREIGN PATENT DOCUMENTS

CA	2142949	7/1996
DE	18 21 813	11/1960
DE	19 71 152	10/1967
ES	8505511	9/1985

* cited by examiner

Primary Examiner—Nicholas D. Lucchesi*Assistant Examiner*—Robyn Kieu Duan(74) *Attorney, Agent, or Firm*—Merchant & Gould P.C.(57) **ABSTRACT**The file, the body of which is provided on at least part of its surface with a roughness varying from 10 to 100 μm , is made of flat, pressed or hardened glass. The file can have a variety of geometrical shapes and cross sections.**20 Claims, 1 Drawing Sheet**