

Title (en)

METHOD AND APPARATUS FOR DRILLING TEETH WITH A PRESSURIZED WATER STREAM

Title (de)

VERFAHREN UND GERÄT ZUR BOHRUNG IN ZÄHNEN MITTELS HOCHDRUCKWASSERSTAHL

Title (fr)

PROCEDE ET APPAREIL E FORAGE DES DENTS AU MOYEN D'UN JET D'EAU SOUS PRESSION

Publication

EP 1322249 A2 20030702 (EN)

Application

EP 01968091 A 20010823

Priority

- US 0126364 W 20010823
- US 22723500 P 20000823

Abstract (en)

[origin: WO0215810A2] An apparatus and method are disclosed for boring into teeth to remove decaying tool matter using a high pressure jet of water. A system according to the invention may include a pressurized water source operably connected to an applicator used to target the water stream at the decayed portion of the tooth. The invention contemplates water streams utilizing single or multiple stream orifices, pure water or particle-entrained streams, and constant high pressure or pulsing pressure to accomplish removal of oral material, including enamel.

IPC 1-7

A61C 3/00

IPC 8 full level

B26F 3/00 (2006.01); **A61C 1/00** (2006.01); **A61C 3/02** (2006.01); **A61C 3/025** (2006.01); **A61C 5/02** (2006.01)

CPC (source: EP)

A61C 1/00 (2013.01); **A61C 3/025** (2013.01)

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 0215810 A2 20020228; **WO 0215810 A3 20020516**; AU 8836701 A 20020304; CA 2420181 A1 20020228; EP 1322249 A2 20030702; EP 1322249 A4 20060517; JP 2004506472 A 20040304

DOCDB simple family (application)

US 0126364 W 20010823; AU 8836701 A 20010823; CA 2420181 A 20010823; EP 01968091 A 20010823; JP 2002520725 A 20010823