

Title (en)
ENDODONTIC INSTRUMENT FOR DRILLING ROOT CANALS

Title (de)
ENDODONTISCHES INSTRUMENT ZUM BOHREN IN ZAHNWURZELKANÄLE

Title (fr)
INSTRUMENT ENDODONTIQUE POUR L'ALESAGE DE CANAUX RADICULAIRES

Publication
EP 2863829 A1 20150429 (FR)

Application
EP 13744417 A 20130625

Priority

- CH 8982012 A 20120626
- CH 2013000113 W 20130625

Abstract (en)
[origin: WO2014000116A1] The invention relates to an endodontic instrument (20) for drilling root canals in a tooth. Said instrument comprises a working area (21) arranged so as to form and/or shape and/or cut the inner wall of the root canal. To this end, it is provided with a plurality of flutes wound around a central axis in the form of a spiral, within a conical envelope (25) having a cross-section that becomes narrower from one end (23) to the other end (26) of the instrument. Said working area (21) is sub-divided into adjacent segments (S) wherein the flutes alternately have a straight section and a section that is twisted in the form of a spiral and are arranged in such a way that the edges thereof are located either on the conical envelope (25) or inside said envelope on the straight sections or on the twisted sections.

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

CPC (source: EP US)
A61B 17/1615 (2013.01 - US); **A61C 5/42** (2017.01 - EP US)

Citation (search report)
See references of WO 2014000116A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
CH 706647 A1 20131231; CH 706647 B1 20160831; CA 2877389 A1 20140103; CA 2877389 C 20200818; CN 104736101 A 20150624; CN 104736101 B 20180223; EP 2863829 A1 20150429; HK 1207814 A1 20160212; JP 2015524681 A 20150827; US 2015313686 A1 20151105; US 9724174 B2 20170808; WO 2014000116 A1 20140103

DOCDB simple family (application)
CH 8982012 A 20120626; CA 2877389 A 20130625; CH 2013000113 W 20130625; CN 201380040240 A 20130625; EP 13744417 A 20130625; HK 15108446 A 20150831; JP 2015518750 A 20130625; US 201314408341 A 20130625