

(12) **UK Patent Application**

(19) **GB** (11) **2 452 902** (13) **A**

(43) Date of Printing by UK Office **18.03.2009**

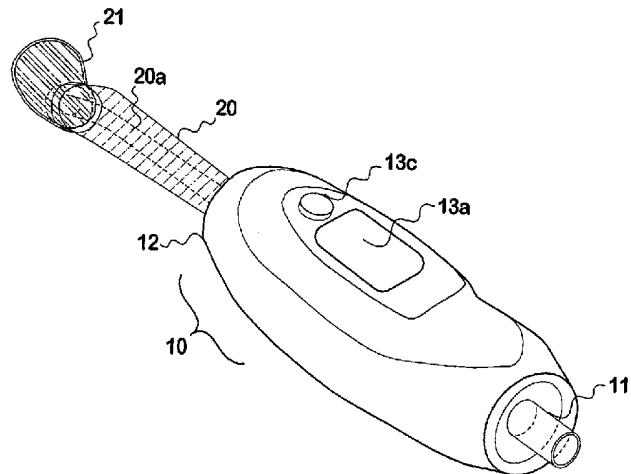
(21) Application No: **0901156.0**
(22) Date of Filing: **06.08.2007**
(30) Priority Data:
(31) **549027** (32) **08.08.2006** (33) **NZ**
(31) **554257** (32) **29.03.2007**
(86) International Application Data:
PCT/NZ2007/000207 En 06.08.2007
(87) International Publication Data:
WO2008/018804 En 14.02.2008

(51) INT CL:
A61C 17/06 (2006.01) **A61B 1/06** (2006.01)
A61B 13/00 (2006.01)
(56) Documents Cited by ISA:
WO 2003/075979 A2 **WO 1997/046902 A1**
US 4802851 A **US 4643172 A**
US 20050227199 A1 **US 20050171408 A1**
US 20030143512 A1 **US 20010024778 A1**
(58) Field of Search by ISA:
INT CL **A61B, A61C**
Other: **DWPI**

(71) Applicant(s):
Mony Paz
31 Awarua Crescent, Orakei,
AUCKLAND 1071, New Zealand
(72) Inventor(s):
Mony Paz
(74) Agent and/or Address for Service:
Graham Jones & Company
77 Beaconsfield Road, Blackheath,
LONDON, SE3 7LG, United Kingdom

(54) Abstract Title: **Combination dental hand tool**

(57) A hand-held, self-powered combination dental tool is capable of performing multiple concurrent functions including suction, retraction, and intra-oral lighting so that dental treatment can be carried out easily under good lighting. (A suction connection is required). Another lighting mode (blue to ultra-violet) also allows inspection of the oral cavity for lesions such as hyperplasia or neoplasia using local changes in tissue fluorescence as an indicator. Internal batteries are rechargeable. Measurements of tissue fluorescence can be made and reported using internal detection and digital measurement.



GB 2 452 902 A