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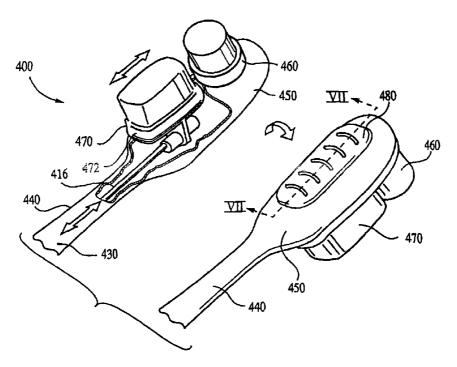
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[Continued on next page]

### (54) Title: ELECTRIC TOOTHBRUSHES



(57) Abstract: An electric toothbrush is provided. The electric toothbrush has an elongated body, a head comprising a movable massaging plate and a movable bristle carrier disposed opposite the massaging plate, and a neck extending between the body and the head. An electric motor is operatively connected to a shaft, wherein operation of the electric motor moves the shaft in a reciprocating motion and wherein the shaft is operatively connected to the massaging plate and bristle carriers.

### WO 2004/093719 A3



### **Declarations under Rule 4.17:**

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

 as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

### **Published:**

- with international search report
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## INTERNATIONAL SEARCH REPORT

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C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages Relevan	t to claim No.							
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	figures 13-16									
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Furth	er documents are listed in the continuation of box C.	X Patent family members are listed in annex.								
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° Special cat	egories of cited documents :	"T" later document published after the international filing da	ato.							
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	Fax: (+31-70) 340-3016	Raybould, B								

### INTERNATIONAL SEARCH REPORT



Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-7
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7

An electric toothbrush comprising a handle, a head with movable massage plate and movable bristle carrier, a neck and a shaft.

2. claims: 8,9

An electric toothbrush comprising a handle, a head with transversely movable bristle carriers, a neck and a shaft.

3. claim: 10

An electric toothbrush comprising a handle, a head with longitudinally movable bristle carriers, a neck and a shaft.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Interrental Application No
PCT/US2004/011803

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