

Title (en)

DENTAL HYGIENE DEVICE WITH REPLACEABLE CLEANING PART

Title (de)

ZAHNPFLEGEGERÄT MIT AUSWECHSELBAREM PFLEGETEIL

Title (fr)

APPAREIL D'HYGIENE BUCCO-DENTAIRE A PIECE DE NETTOYAGE REMPLA ABLE

Publication

EP 0910259 A1 19990428 (DE)

Application

EP 97930373 A 19970619

Priority

- DE 19624962 A 19960622
- EP 9703208 W 19970619

Abstract (en)

[origin: DE19624962A1] The invention relates to a dental hygiene device, for example a toothbrush, with a handle, a head and a cleaning part which can be inserted to lock in a hollow thereof, said cleaning part being ejectable by a resilient pressure member arranged on the back of the head and acting on the rear side of the cleaning part by pressurisation. To achieve a tight seal on said rear and to manipulate in a simple manner, the invention provides for the head to have a rear opening which is closed by the pressure member and into which the cleaning part engages, and the pressure member to be in the form of a flexible, plastic disc and the peripheral edge thereof to be fixed to the wall of the opening to form a seal.

IPC 1-7

A46B 7/04

IPC 8 full level

A46B 7/04 (2006.01); **A46B 9/04** (2006.01)

CPC (source: EP US)

A46B 7/04 (2013.01 - EP US); **A46B 7/042** (2013.01 - EP US)

Citation (search report)

See references of WO 9749315A1

Designated contracting state (EPC)

AT BE DE DK ES FI FR GB GR IE IT NL PT SE

DOCDB simple family (publication)

DE 19624962 A1 19980102; AR 007434 A1 19991027; AR 007435 A1 19991027; AT E191832 T1 20000515; AU 3261697 A 19980114; AU 3435197 A 19980114; AU 717524 B2 20000330; AU 717623 B2 20000330; BR 9709935 A 19990810; BR 9709936 A 19990810; CA 2258096 A1 19971231; CN 1105529 C 20030416; CN 1109522 C 20030528; CN 1222836 A 19990714; CN 1222837 A 19990714; CZ 289271 B6 20011212; CZ 289680 B6 20020313; CZ 421598 A3 19990414; CZ 421698 A3 19990414; DE 59701476 D1 20000525; DE 59702578 D1 20001207; EP 0910259 A1 19990428; EP 0910259 B1 20000419; EP 0942668 A1 19990922; EP 0942668 B1 20001102; ES 2145612 T3 20000701; ES 2152101 T3 20010116; HU 220332 B 20011228; HU 222070 B1 20030428; HU P9902958 A2 19991228; HU P9902958 A3 20000728; HU P9903352 A2 20000228; HU P9903352 A3 20000628; ID 17155 A 19971204; ID 19309 A 19980702; IN 191386 B 20031129; IN 192227 B 20040320; JP 2000512522 A 20000926; JP 2000513957 A 20001024; JP 3821853 B2 20060913; NO 985853 D0 19981214; NO 985853 L 19981214; PL 183466 B1 20020628; PL 186489 B1 20040130; PL 330526 A1 19990524; PL 330722 A1 19990524; RO 115775 B1 20000630; RU 2171084 C2 20010727; RU 2171085 C2 20010727; SK 175598 A3 19990712; SK 281757 B6 20010710; TR 199802645 T2 19990322; TW 392456 U 20000601; TW 392457 U 20000601; UA 55417 C2 20030415; UA 55418 C2 20030415; US 6138316 A 20001031; US 6145153 A 20001114; WO 9749314 A1 19971231; WO 9749315 A1 19971231; ZA 975497 B 19980130; ZA 975498 B 19980130

DOCDB simple family (application)

DE 19624962 A 19960622; AR P970102719 A 19970620; AR P970102720 A 19970620; AT 97930373 T 19970619; AU 3261697 A 19970619; AU 3435197 A 19970619; BR 9709935 A 19970619; BR 9709936 A 19970619; CA 2258096 A 19970619; CN 97195732 A 19970619; CN 97195738 A 19970619; CZ 421598 A 19970619; CZ 421698 A 19970619; DE 59701476 T 19970619; DE 59702578 T 19970619; EP 9703207 W 19970619; EP 9703208 W 19970619; EP 97928249 A 19970619; EP 97930373 A 19970619; ES 97928249 T 19970619; ES 97930373 T 19970619; HU P9902958 A 19970619; HU P9903352 A 19970619; ID 972140 A 19970623; ID 972141 A 19970623; IN 1179CA1997 A 19970629; IN 1180CA1997 A 19970620; JP 50229398 A 19970619; JP 50229498 A 19970619; NO 985853 A 19981214; PL 33052697 A 19970619; PL 33072297 A 19970619; RO 9801678 A 19970619; RU 99101102 A 19970619; RU 99101110 A 19970619; SK 175598 A 19970619; TR 9802645 T 19970619; TW 87207860 U 19970620; TW 87212574 U 19970620; UA 99010373 A 19970619; UA 99010374 A 19970619; US 19476299 A 19991203; US 19478598 A 19981203; ZA 975497 A 19970620; ZA 975498 A 19970620