

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 B1 20000419 (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)

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