

Title (en)  
PORTABLE DEVICE FOR DENTAL HYGIENE

Title (de)  
TRANSPORTABLE EINRICHTUNG DER ZAHNHYGIENE

Title (fr)  
SYSTEME PORTABLE D'HYGIENE DENTAIRE

Publication  
**EP 0923324 B1 20020904 (DE)**

Application  
**EP 97931710 A 19970707**

Priority  
• DE 9701427 W 19970707  
• DE 19627428 A 19960708

Abstract (en)  
[origin: US6253773B1] This invention concerns a portable dental hygiene device with a treatment space (9) and a spray device (4a) by means of which a treatment medium can be sprayed into the treatment space (9), where the spray device (4a) and the parts (10) to be sprayed with the treatment medium are arranged separately but in spray relation to one another on a holding device (3a, 3b), which surrounds the spray device (4a) and the parts (10), with a release element being provided with which a spray head (11) of the spray device (4a) can be brought into spraying position, characterized in that a) the release element is a detachable cap (14) which can be placed on the holding device (3a, 3b) and has a release projection (14a) on its bottom (16a) on the inside; b) passages (15, 16), one of which is aligned axially with the spray head (11), are provided in the bottom of the holding device (3a, 3b) corresponding to the arrangement of the release projection (14a); c) the detachable cap (14) secures the spray device (4a) against the release of a spray stream when the cap is placed on the holding device (3a, 3b) in one of the possible placement positions, and in the other possible placement position it can cause a spray stream to be released.

IPC 1-7  
**A45D 44/18**; **A47K 1/09**

IPC 8 full level  
**A47K 1/02** (2006.01); **A45D 44/18** (2006.01); **A47K 1/09** (2006.01)

CPC (source: EP US)  
**A45D 44/18** (2013.01 - EP US); **A47K 1/09** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IT LI NL SE

DOCDB simple family (publication)  
**US 6253773 B1 20010703**; AT E223168 T1 20020915; AU 3538497 A 19980202; AU 715784 B2 20000210; CA 2257457 A1 19980115; CA 2257457 C 20050823; CN 1115997 C 20030730; CN 1223554 A 19990721; DE 19627428 A1 19980115; DE 19627428 C2 19980702; DE 59708136 D1 20021010; EP 0923324 A1 19990623; EP 0923324 B1 20020904; ES 2185028 T3 20030416; JP 2000515037 A 20001114; JP 3911520 B2 20070509; WO 9801054 A1 19980115

DOCDB simple family (application)  
**US 21465199 A 19990105**; AT 97931710 T 19970707; AU 3538497 A 19970707; CA 2257457 A 19970707; CN 97195900 A 19970707; DE 19627428 A 19960708; DE 59708136 T 19970707; DE 9701427 W 19970707; EP 97931710 A 19970707; ES 97931710 T 19970707; JP 50465498 A 19970707