

Title (en)
Device for body care.

Title (de)
Gerät zur Körperpflege.

Title (fr)
Appareil pour soins corporels.

Publication
EP 0066930 A2 19821215 (FR)

Application
EP 82200674 A 19820602

Priority
US 26948881 A 19810602

Abstract (en)
1. Medical care apparatus comprising a handpiece (3; 103) connected by a conduit (15; 115) to a source of liquid, a pump connected to said liquid conduit for projecting said liquid in the form of a heterogeneous jet at a frequency in the range of 1,000 to 4,000 pulses per minute, interchangeable spray nozzles adapted to be mounted to said handpiece (3; 103) for the treatment of teeth and gums, characterized by the fact that a nebulising nozzle (8; 108) adapted to be mounted likewise to said handpiece (3; 103) is also provided for producing a mist for skin cares and that the head of said nebulising nozzle (8; 108) consists of an external sleeve (9; 109) forming a chamber (10; 110) for said liquid, said liquid supply conduit (15; 115) opening into said chamber (10; 110), of a cylindrical socket (17; 117) fitting in said external sleeve (9; 109) and comprising at its ends projecting from said external sleeve (9; 109) a transverse partition (18; 118) having a plurality and preferably three grooves (19) formed in its inner surface, said grooves extending tangentially to the funnelshaped portion of a tapered central orifice (20; 120) opening through a small cylindrical hole (21; 121) terminating at the outer face of said transverse partition (18; 118), and finally of a cylindrical pin (22; 122) bearing with one end against the inner face of said transverse partition (18; 118) of said socket (17; 117) and with the opposite end against a core of said cylindrical socket (10; 110) and provided on its outer peripheral surface with axial ribs (24), said cylindrical pin (22; 122) fitting in said cylindrical socket (17; 117) in such a way that the jet of pulsated liquid fed through said conduit (15; 115) penetrates into said liquid chamber (10; 110), is divided into a plurality of jets between said axial ribs (24) of said cylindrical pin (22; 122) and caused to swirl by said grooves (19) tangent to said central tapered orifice (20; 120) of said cylindrical socket (17; 117) so as to be converted into a mist discharged through said small cylindrical hole (21; 121) of said transverse partition (18; 118).

Abstract (fr)
Il comprend un socle (101) dans lequel est montée une pompe de liquide dont l'entrée est connectée à un réservoir (102) pour alimenter par un tuyau (104) la pièce à main (103) avec le liquide du réservoir (102) sous forme d'impulsions. La pièce à main contient un moteur hydraulique et elle est agencée pour être équipée des instruments interchangeables tels qu'une brosse à dents (105a), ou une buse nébulisatrice (108) pour les soins du visage et plus particulièrement l'hydratation de la peau, ou une buse d'irrigation buccale (5). La brosse à dents (105a) et la buse nébulisatrice (108) sont entraînées en mouvement oscillant par le moteur hydraulique tandis que la buse d'irrigation buccale (5) reste fixe. L'amplitude d'oscillation de la buse nébulisatrice (108) est inférieure à celle de la brosse à dents (5).

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A61H 13/00 (2006.01)

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