

Title (en)
FLOSSING DEVICE WITH ADVANCING AND TENSIONING MECHANISM

Title (de)
ZAHNSEIDENSPENDER MIT VORSCHUB- UND SPANNMECHANISMUS

Title (fr)
PORTE-FIL DENTAIRE COMPRENANT UN MECANISME D'AVANCEMENT ET DE TENSION

Publication
EP 1387647 A1 20040211 (EN)

Application
EP 01941495 A 20010518

Priority
US 0115990 W 20010518

Abstract (en)
[origin: WO02094118A1] A hand-held dental flossing device has a housing (4) with a handle (6) that may be held with one hand. A dental floss supply (14) is located in the housing (4) and a winding gear (22) is rotatably mounted to the housing (4). A free end of the dental floss strand (15) from the floss supply (14) is threaded through the housing (4) into a floss exit arm (92) of the housing (4) where it passes through an exit opening (86) to an exposed area (30) of the flossing arm (8). Used dental floss returns into the housing (4), via a receiving opening (34), where it passes through an optional disinfectant supply (90) before or as it wound onto the winding gear (22). The winding gear has teeth (44) that cooperate with a stopper to form a one-way ratchet gear.

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