

Title (en)

FLOSSING DEVICE WITH INTERNAL FLOSS FEED

Title (de)

ZAHNSEIDENVORRICHTUNG MIT INTERNER ZAHNSEIDENZUFÜHRUNG

Title (fr)

DISPOSITIF POUR L'UTILISATION DE FIL DE SOIE DENTAIRE AVEC UNE ALIMENTATION INTERNE DU FIL DE SOIE DENTAIRE

Publication

**EP 2101679 A4 20110316 (EN)**

Application

**EP 06842655 A 20061221**

Priority

IB 2006055002 W 20061221

Abstract (en)

[origin: WO2008075138A1] A flossing device having internal floss feed in which floss is advanced from a storage chamber inside the handle of the device, through feed gears, to a pair of spaced apart tines. Spent floss is returned through the return gears, the return drive gear having a greater diameter than the feed drive gear, thus ensuring the floss remains taut between the tines. An integral cutter allows the spent floss to be cut off and discarded. One significant advantage of this device over similar designs is that a floss advance lever advances the floss by a single action when pressed upward, which creates and maintains sufficient tension on the floss resulting in taut and snug floss between the tines. In a second embodiment, the flossing head has a vibratory device to aid in the flossing action.

IPC 8 full level

**A61C 15/04** (2006.01)

CPC (source: EP)

**A61C 15/043** (2013.01); **A61C 15/046** (2013.01)

Citation (search report)

- [A] WO 9624305 A1 19960815 - BUSHMAN RICH [US]
- [A] US 2005252520 A1 20051117 - FILSOUF EHSAN [US]
- [A] US 5678578 A 19971021 - KOSSAK MICHAEL [US], et al
- See references of WO 2008075138A1

Designated contracting state (EPC)

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