Title (en)

INTERDENTAL BRUSH HAVING AN OVAL WIRE CROSS SECTION, AND METHOD FOR PRODUCING SAME

Title (de)

INTERDENTALBÜRSTE MIT OVALEM DRAHTQUERSCHNITT UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

BROSSE INTERDENTAIRE AYANT UNE SECTION TRANSVERSALE DE FIL OVALE ET SON PROCÉDÉ DE PRODUCTION

Publication

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Application

**EP 22731645 A 20220602**

Priority

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Abstract (en)

[origin: WO2022253977A1] The present invention relates to an interdental brush (1, 1') having a brush part (2) that comprises two twisted-together legs (4A, 4B) of a wire portion (4) and brush filaments (5) held clamped between the legs (4A, 4B), and to a method for producing such an interdental brush (1, 1'). In order to improve in particular the bend fatigue limit of the wire portion (4), according to the invention a wire portion (4) made of austenitic steel is used that has a chromium content of 15 to 17 wt.%, a manganese content of 12 to 16 wt.% and a molybdenum content of 0 to 4 wt.%, and the wire portion (4) is formed having an oval cross section with an ovality O in a range between 0.4 and 0.9, wherein the ovality O is measured as a ratio between a length (LQk) of a small transverse axis (Qk) and a length of a large transverse axis (Qg) of the cross section.

IPC 8 full level

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