

Title (en)

BRISTLES OR INTERDENTAL CONSISTING OF A MONOFIL

Title (de)

BORSTEN ODER INTERDENTALREINIGER AUS EINEM MONOFIL

Title (fr)

POILS DE BROSSIERIE OU ELEMENTS NETTOYANTS INTERDENTAIRES DE MONOFILAMENT

Publication

EP 1030937 B1 20040519 (DE)

Application

EP 98962315 A 19981103

Priority

- DE 19748733 A 19971105
- EP 9806954 W 19981103

Abstract (en)

[origin: DE19748733A1] The invention relates to a monofil which has reduced secondary bonding forces and which consists of at least two coextruded polymers, for producing bristles or interdental cleaning elements which can be slit in an essentially axial direction by means of mechanical forces. The aim of the invention is to obtain defined slits or flags. To this end, the two polymers contained in the monofil have a geometrically regular arrangement with the boundary layers in which the reduced secondary bonding forces are present running in an essentially axial direction.

IPC 1-7

D01F 8/04; **D01F 8/06**; **D01F 8/12**; **A46D 1/00**; **A61C 15/04**

IPC 8 full level

A46D 1/00 (2006.01); **A61C 15/04** (2006.01); **A61C 17/00** (2006.01); **D01F 8/04** (2006.01); **D01F 8/06** (2006.01); **D01F 8/12** (2006.01)

CPC (source: EP KR)

A46D 1/00 (2013.01 - EP); **A46D 1/023** (2013.01 - EP); **A46D 1/0238** (2013.01 - EP); **A46D 1/0261** (2013.01 - EP); **A46D 1/0292** (2013.01 - EP); **D01F 8/04** (2013.01 - EP); **D01F 8/06** (2013.01 - EP); **D01F 8/12** (2013.01 - EP); **D01F 8/14** (2013.01 - KR); **A46B 2200/1066** (2013.01 - EP)

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

DE 19748733 A1 19990506; AR 010957 A1 20000712; AU 1753399 A 19990531; AU 749645 B2 20020627; BR 9813195 A 20000829; CA 2308848 A1 19990520; CN 1105198 C 20030409; CN 1278309 A 20001227; DE 59811434 D1 20040624; EG 21972 A 20020531; EP 1030937 A1 20000830; EP 1030937 B1 20040519; ES 2219925 T3 20041201; JP 2001522948 A 20011120; KR 100568958 B1 20060407; KR 20010031691 A 20010416; PL 194178 B1 20070531; PL 340384 A1 20010129; RU 2197572 C2 20030127; TR 200001242 T2 20000921; TW 440615 B 20010616; UA 57814 C2 20030715; WO 9924649 A1 19990520; ZA 9810077 B 19990507

DOCDB simple family (application)

DE 19748733 A 19971105; AR P980105574 A 19981105; AU 1753399 A 19981103; BR 9813195 A 19981103; CA 2308848 A 19981103; CN 98810857 A 19981103; DE 59811434 T 19981103; EG 136798 A 19981104; EP 9806954 W 19981103; EP 98962315 A 19981103; ES 98962315 T 19981103; JP 2000519637 A 19981103; KR 20007004754 A 20000502; PL 34038498 A 19981103; RU 2000114248 A 19981103; TR 200001242 T 19981103; TW 87118289 A 19981103; UA 00063237 A 19981103; ZA 9810077 A 19981104