

Title (en)

ORTHODONTIC WIRE AND METHOD FOR MAKING SAME

Title (de)

ORTHODONTISCHER BOGENDRAHT AUS METALL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FIL METALLIQUE DU TYPE UTILISE EN ORTHODONTIE ET SON PROCEDE D'OBTENTION

Publication

**EP 1573083 A2 20050914 (FR)**

Application

**EP 03809995 A 20031217**

Priority

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- FR 0216265 A 20021219

Abstract (en)

[origin: FR2848810A1] Orthodontic wire is made of a material with elevated mechanical performance and a very low coefficient of friction on the attachments stuck on teeth for orthodontic treatment. It has a base structure of a titanium-molybdenum alloy which contains, in its outer surface layer, some titanium nitrides (TiN, TiN<sub>2</sub>) without any titanium oxide. An Independent claim is also included for the production of this orthodontic wire in which the nitrides are produced by a surface treatment in a vacuum enclosure at low temperatures (450 degrees C maximum).

IPC 1-7

**C23C 8/24**

IPC 8 full level

**A61C 7/20** (2006.01); **A61K 6/04** (2006.01)

CPC (source: EP US)

**A61C 7/20** (2013.01 - EP US)

Citation (search report)

See references of WO 2004056283A2

Citation (examination)

US 2804410 A 19570827 - WYATT JAMES L, et al

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