

Title (en)

Method and installation for manufacturing biconical wire

Title (de)

Verfahren und Anlage zur Herstellung von bikonischem Draht

Title (fr)

Procédé et installation de fabrication de fils biconiques

Publication

**EP 0904860 A3 20000705 (DE)**

Application

**EP 98117224 A 19980911**

Priority

- DE 19800237 A 19980107
- DE 19743034 A 19970930

Abstract (en)

[origin: EP0904860A2] The method for production of wire with alternating cylindrical and conical sections out of a cylindrical starting material is characterized by the fact that the conical sections are produced by a hot-forming process. The claimed installation includes a heating unit (1) and a forming unit (2).

IPC 1-7

**B21B 1/16**; **C21D 8/06**; **B21H 7/00**

IPC 8 full level

**B21B 1/16** (2006.01); **B21B 45/00** (2006.01); **B21C 37/04** (2006.01); **B21H 8/00** (2006.01); **C21D 8/06** (2006.01); **C21D 9/52** (2006.01); **C21D 9/60** (2006.01)

CPC (source: EP US)

**B21B 1/16** (2013.01 - EP US); **C21D 8/06** (2013.01 - EP US)

Citation (search report)

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- [XA] DE 3434226 A1 19860327 - LINDEMANN WOLFGANG [DE]
- [A] DE 1602680 A1 19700409 - BRUENINGHAUS GMBH STAHLWERKE
- [A] JP S4830546 B1 19730921
- [XA] PATENT ABSTRACTS OF JAPAN vol. 005, no. 193 (M - 101) 9 December 1981 (1981-12-09)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 015, no. 443 (M - 1178) 12 November 1991 (1991-11-12)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 03 28 April 1995 (1995-04-28)
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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0904860 A2 19990331**; **EP 0904860 A3 20000705**; JP H11169991 A 19990629; US 6035686 A 20000314

DOCDB simple family (application)

**EP 98117224 A 19980911**; JP 27511098 A 19980929; US 16222898 A 19980929