

Title (en)

Method of and installations for producing wires of amorphous metallic alloys.

Title (de)

Verfahren und Vorrichtungen zum Erzeugen von Drähten aus amorphen Metallegierungen.

Title (fr)

Procédés et dispositifs pour obtenir des fils en alliages métalliques amorphes.

Publication

EP 0360104 A1 19900328 (FR)

Application

EP 89116705 A 19890909

Priority

FR 8812423 A 19880921

Abstract (en)

Method of and installation (20) for producing a wire (12) of an amorphous metallic alloy, which are characterised in that a jet (7) of alloy (4) which can be rendered amorphous and is molten is placed in contact with a gas (55) capable of reacting chemically with at least one of the constituents of the alloy (4) before the jet (7) reaches a cooling liquid (9), in such a way as to form a layer around the jet (7) which is capable of stabilising the latter. <??>Amorphous wires (12) produced with this method and this installation, articles reinforced by these wires. <IMAGE> <IMAGE> (see back)

Abstract (fr)

Procédé et dispositif (20) pour obtenir un fil (12) en alliage métallique amorphe, caractérisés en ce qu'un jet (7) d'alliage amorphisable (4) fondu est mis au contact d'un gaz (55) susceptible de réagir chimiquement avec au moins un des constituants de l'alliage (4) avant que le jet (7) ne parvienne à un liquide refroidisseur (9), de façon à former une couche autour du jet (7) susceptible de stabiliser celui-ci. Fils amorphes (12) obtenus avec ce procédé et ce dispositif, articles renforcés par ces fils.

IPC 1-7

B22D 11/00; **B22D 11/01**; **B22D 11/06**

IPC 8 full level

B22D 11/00 (2006.01); **B22D 11/01** (2006.01); **B22D 11/06** (2006.01)

CPC (source: EP KR US)

B22D 11/005 (2013.01 - EP US); **B22D 11/01** (2013.01 - KR); **B22D 11/06** (2013.01 - EP KR US)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0360104 A1 19900328; **EP 0360104 B1 19930811**; AT E92805 T1 19930815; AU 4153389 A 19900329; AU 616305 B2 19911024; BR 8904774 A 19900501; CA 1336125 C 19950704; CN 1036570 C 19971203; CN 1041302 A 19900418; DE 68908310 D1 19930916; DE 68908310 T2 19931216; ES 2042916 T3 19931216; FR 2636552 A1 19900323; FR 2636552 B1 19901102; JP H02117752 A 19900502; KR 0125762 B1 19971226; KR 900004435 A 19900412; OA 09092 A 19911031; US 5000251 A 19910319

DOCDB simple family (application)

EP 89116705 A 19890909; AT 89116705 T 19890909; AU 4153389 A 19890920; BR 8904774 A 19890921; CA 612315 A 19890921; CN 89107397 A 19890920; DE 68908310 T 19890909; ES 89116705 T 19890909; FR 8812423 A 19880921; JP 24622189 A 19890921; KR 890013561 A 19890921; OA 59648 A 19890921; US 40786089 A 19890915