

Title (en)

Metal Bolt having thixotropic properties and process for ist production

Title (de)

Metallbolzen mit thixotropen Eigenschaften und Verfahren zu seiner Herstellung

Title (fr)

Boulon métallique ayant des propriétés thixotropes et son procédé de fabrication

Publication

**EP 0969111 B1 20020424 (DE)**

Application

**EP 98810591 A 19980626**

Priority

EP 98810591 A 19980626

Abstract (en)

[origin: EP0969111A1] The cross section of a metal bolt differs from a circular cross section. During heating of the bolt, for attaining a thixotropic state, the difference between its lowest core temperature and its highest surface temperature is smaller than the corresponding difference of a round bolt with the same cross-sectional area. Producing the bolt includes casting of a continuous billet with a noncircular cross section.

IPC 1-7

**C22C 21/00**; **B22D 11/00**

IPC 8 full level

**B22D 11/00** (2006.01); **C22C 1/00** (2006.01)

CPC (source: EP)

**B22D 11/00** (2013.01); **B22D 11/009** (2013.01); **C22C 1/12** (2023.01)

Citation (examination)

- US 4434837 A 19840306 - WINTER JOSEPH [US], et al
- EP 0483943 A2 19920506 - RHEO TECHNOLOGY LTD [JP]

Designated contracting state (EPC)

AT CH DE FR IT LI

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