

Title (en)

Device for holding a stopper and stopper

Title (de)

Einrichtung zum Halten eines Stopfens und Stopfen

Title (fr)

Dispositif pour tenir un tampon et tampon

Publication

**EP 0544997 B1 19971119 (DE)**

Application

**EP 92113379 A 19920806**

Priority

- DE 4138812 A 19911126
- DE 4212450 A 19920414

Abstract (en)

[origin: EP0544997A1] In a device for holding a refractory ceramic stopper (1), a stopper rod (3) projects into an installation space (2) for the stopper (1) and is fixed in the latter. In order to achieve thread-free retention, a widened portion (5) of the installation space (2) forms a stop surface (6), and a supporting surface (8) is formed on the stopper rod (3). Expanding segments (9) rest by their top edges (10) against the stop surface (6). Their bottom edges (11) rest against the supporting surface (8). When the stopper rod (3) is inserted into the installation space (2), the expanding segments (9) pivot into the widened portion (5). <IMAGE>

IPC 1-7

**B22D 41/18**

IPC 8 full level

**B22D 41/18** (2006.01)

CPC (source: EP US)

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Citation (examination)

EP 0358535 A2 19900314 - VESUVIUS FRANCE SA [FR]

Cited by

US5695675A; US6026997A; WO9503145A1; WO9800255A1

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