

Title (en)

Refractory valve plates for sliding gate valves.

Title (de)

Feuerfeste Verschlussplatte für Schieberverschlüsse.

Title (fr)

Plaque réfractaire obturatrice pour obturateurs coulissants.

Publication

EP 0393223 A1 19901024 (DE)

Application

EP 89107146 A 19890420

Priority

EP 89107146 A 19890420

Abstract (en)

To prevent the formation of continuous cracks (5,5a) from the outside to the throughflow opening (1) in a refractory valve plate (A), stress-relieving cavities (4) are provided around the said opening. These cavities are provided, if required, with a sealing material preventing outside air from being drawn in as far as the throughflow opening (1) through cracks (5,5a) which have arisen.

Abstract (de)

In einer feuerfesten Verschlussplatte (A) sind zur Verhinderung einer durchgehenden Rissbildung (5, 5a) von aussen bis zur Durchflussöffnung (1) um diese herum spannungsentlastende Hohlräume (4) vorgesehen, die gegebenenfalls mit einem Dichtungsmittel versehen ein Ansaugen von Aussenluft durch entstandene Risse (5, 5a) bis zur Durchflussöffnung (1) verhindert.

IPC 1-7

B22D 41/28

IPC 8 full level

B22D 41/28 (2006.01)

CPC (source: EP)

B22D 41/28 (2013.01)

Citation (search report)

- [Y] DE 3432613 C1 19850502 - DIDIER WERKE AG
- [Y] EP 0222978 A1 19870527 - DIDIER WERKE AG [DE]
- [Y] GB 1198793 A 19700715 - NORTH LONDON SAW WORKS LTD
- [Y] BE 870653 A 19790115 - VERHAS HUGO P
- [X] PATENT ABSTRACTS OF JAPAN, Band 12, Nr. 340 (M-740)[3187], 13. September 1988; & JP-A-63 101 069 (TOSHIBA CERAMICS CO. LTD) 06-05-1988

Cited by

EP3399170B1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0393223 A1 19901024; EP 0393223 B1 19940119; AT E100365 T1 19940215; DE 58906775 D1 19940303; ES 2048780 T3 19940401

DOCDB simple family (application)

EP 89107146 A 19890420; AT 89107146 T 19890420; DE 58906775 T 19890420; ES 89107146 T 19890420