

Title (en)
DEVICE FOR THE PROJECTION OF A REPAIRING MATERIAL ON A PERFORATED BRICK

Publication
EP 0365803 B1 19930210 (DE)

Application
EP 89116619 A 19890908

Priority
DE 3833506 A 19881001

Abstract (en)
[origin: EP0365803A1] By means of a device for the projection of a repairing material on a perforated brick (1) of a metallurgical vessel, the perforated brick (1) is to be repaired in a simple and controlled manner after wear. A template shell (4), whose outer contour corresponds to that of the gas bubble brick to be inserted into the perforated brick (1), and a spray head (19) are provided for this purpose. This spray head is fixed to a mass feeder pipe (15) extending through the template shell (4) and guided along the latter. <IMAGE>

IPC 1-7
C21C 5/44; C21C 7/072; F27D 1/16

IPC 8 full level
B22D 11/10 (2006.01); **B22D 1/00** (2006.01); **B22D 41/02** (2006.01); **C21C 5/44** (2006.01); **C21C 7/072** (2006.01); **F27D 1/16** (2006.01); **F27D 3/16** (2006.01)

CPC (source: EP KR US)
B22D 1/005 (2013.01 - EP US); **C21C 5/44** (2013.01 - KR); **C21C 5/445** (2013.01 - EP US); **C21C 7/072** (2013.01 - KR); **F27D 1/16** (2013.01 - KR); **F27D 1/1636** (2013.01 - EP US); **F27D 1/1626** (2013.01 - EP US); **F27D 2001/1615** (2013.01 - EP US); **F27D 2003/161** (2013.01 - EP US)

Citation (examination)
• PATENT ABSTRACTS OF JAPAN Band 1, Nr. 45 (C-76) (1691), 04 Feb. 1977; & JP-A-51 151 608
• PATENT ABSTRACTS OF JAPAN Band 4, Nr. 135 (C-25) (617), 20 Sep. 1980 & JP-A-55 856 25
• PATENT ABSTRACTS OF JAPAN Band 4, Nr. 38 (C-4) (520), 27 Mar. 1980; & JP-A-55 111 03

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EP0758022A1; EP0649911A1

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EP 0365803 A1 19900502; EP 0365803 B1 19930210; AT E85653 T1 19930215; CN 1014823 B 19911120; CN 1041614 A 19900425; DE 3833506 A1 19900405; DE 3833506 C2 19910103; DE 58903519 D1 19930325; ES 2037926 T3 19930701; JP 2753869 B2 19980520; JP H02110289 A 19900423; KR 0128482 B1 19980416; KR 900006538 A 19900508; US 4995596 A 19910226; ZA 896856 B 19900627

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