

Title (en)
Mounting device for hot gaz or expansion nozzles in reaction rooms passages, as in the heat exchangers of the cement's production

Title (de)
Vorrichtung zur Anordnung von Heissbranddüsen oder Expansionsleitdüsen in Durchgangsöffnungen von Reaktionskammern, wie Wärmetauschern für die Zementherstellung

Title (fr)
Dispositif pour installer des buses à gaz chaud ou des buses de détente dans des passages de chambres de traitement, comme les échangeurs de chaleur dans la production du ciment

Publication
EP 1112947 A3 20020724 (DE)

Application
EP 00127712 A 20001218

Priority
DE 10000023 A 20000103

Abstract (en)
[origin: EP1112947A2] The burner nozzle system for the heat exchangers used in cement production comprises mounting boxes (1) in which exchangeable nozzles (12) can be mounted. The boxes are mounted in front of bricks (5) on the furnace side with a gap between the edge (17) of the nozzle and the face (18) of the brick directed towards the furnace.

IPC 1-7
B65D 88/70; **F27D 23/02**; **F23J 3/00**; **F27D 7/02**

IPC 8 full level
B65D 88/70 (2006.01); **F23J 3/00** (2006.01); **F27D 1/00** (2006.01); **F27D 1/14** (2006.01); **F27D 3/16** (2006.01); **F27D 7/02** (2006.01); **F27D 25/00** (2010.01)

CPC (source: EP)
F27D 1/0023 (2013.01); **F27D 1/145** (2013.01); **F27D 3/16** (2013.01)

Citation (search report)

- [YA] WO 9633380 A1 19961024 - FINANC DE GESTION SOC [FR], et al
- [YDA] DE 3841381 A1 19900621 - AGRICHEMA MATERIALFLUSSTECHNIK [DE]
- [ADA] EP 0555725 A1 19930818 - AGRICHEMA MATERIALFLUSSTECHNIK [DE]
- [A] EP 0197306 A2 19861015 - AGRICHEMA MATERIALFLUSSTECHNIK [DE]
- [A] DE 29822427 U1 19990311 - AGRICHEMA MATERIALFLUSSTECHNIK [DE]
- [A] US 5839893 A 19981124 - LEIBLING UDO [DE]

Cited by
EP2139567A4; DE202010012637U1; US8236235B2; DE202014002625U1; EP2924382A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1112947 A2 20010704; **EP 1112947 A3 20020724**; **EP 1112947 B1 20040421**; AT E264797 T1 20040515; DE 10000023 A1 20010705; DE 50006143 D1 20040527; DK 1112947 T3 20040712; ES 2218056 T3 20041116; PT 1112947 E 20040930; TR 200401330 T4 20040721

DOCDB simple family (application)
EP 00127712 A 20001218; AT 00127712 T 20001218; DE 10000023 A 20000103; DE 50006143 T 20001218; DK 00127712 T 20001218; ES 00127712 T 20001218; PT 00127712 T 20001218; TR 200401330 T 20001218