

Title (en)
Resistance heated electric furnace

Title (de)
Elektrischer Widerstandsofen

Title (fr)
Four électrique à résistance

Publication
EP 0718577 A3 19970604 (DE)

Application
EP 95120112 A 19951219

Priority
DE 4446530 A 19941224

Abstract (en)
[origin: EP0718577A2] The kiln to vitrify ash material from a rubbish incinerator, using electrical resistance heating, has a shrouding (11) for the thermal insulation (21) of the cover (2), at least at the opening (10) for protection against the corrosive gases (30) from the interior (1R). The shrouding (11) has at least one gas-tight cylinder (12) of ceramic, e.g. Al₂O₃, mullite, MgAl₂O₄, bonded hydraulically by a fireproof cement (16) with an Al₂O₃ base.

IPC 1-7
F27D 11/02; **H05B 3/62**

IPC 8 full level
F23G 5/00 (2006.01); **F23G 5/44** (2006.01); **F23J 1/00** (2006.01); **F27D 11/02** (2006.01); **H05B 3/62** (2006.01); **H05B 3/66** (2006.01)

CPC (source: EP US)
F27D 11/02 (2013.01 - EP US); **H05B 3/62** (2013.01 - EP US)

Citation (search report)

- [A] FR 1393081 A 19650319 - MORGANITE THERMAL DESIGNS LTD
- [A] FR 2699038 A1 19940610 - ELECTRICITE DE FRANCE [FR]
- [A] DE 2854943 A1 19790628 - ALCO STANDARD CORP
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- [A] US 5120027 A 19920609 - PELTON JOHN F [US]
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- [A] DE 717668 C 19420220 - SIEMENS PLANIAWERKE AG
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 371 (C - 1224) 13 July 1994 (1994-07-13)

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EP 95120112 A 19951219; DE 4446530 A 19941224; DE 59507480 T 19951219; JP 31878395 A 19951207; US 57847595 A 19951226