

Title (en)

CONTROL METHOD AND DEVICE FOR A FEEDING OR CRUST BREAKING DEVICE

Publication

**EP 0135516 B1 19861015 (DE)**

Application

**EP 84900604 A 19840209**

Priority

CH 73983 A 19830210

Abstract (en)

[origin: DE3305236A1] The alumina is charged in a controlled manner using known means such as alumina feed pipes, daily storage hoppers, metering devices and/or downcomer pipes, in conjunction with a chisel (30) which can be moved up and down and which keeps at least one crust perforation open. Superimposed on the production current is an alternating current circuit which enables the chisel (30) to be raised immediately by means of an electronic process control system (36) if the chisel enters the electrolyte (14). The alternating current circuit comprises an alternating current source (32), an electronic relay (34) and two capacitors (40). If the alternating current circuit is not closed within a specified time after the chisel (30) has been lowered, the electronic process control system (36) triggers an increase in the pneumatic or hydraulic pressure on the chisel (30). <IMAGE>

IPC 1-7

**C25C 3/14**

IPC 8 full level

**C25C 3/14** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

**US 4563255 A 19860107**; AU 2437384 A 19840830; AU 567029 B2 19871105; DE 3305236 A1 19840920; DE 3305236 C2 19851121; DE 3460987 D1 19861127; EP 0135516 A1 19850403; EP 0135516 B1 19861015; IT 1175323 B 19870701; IT 8419515 A0 19840209; WO 8403108 A1 19840816

DOCDB simple family (application)

**US 66748884 A 19841001**; AU 2437384 A 19840209; CH 8400019 W 19840209; DE 3305236 A 19830216; DE 3460987 T 19840209; EP 84900604 A 19840209; IT 1951584 A 19840209