

Title (en)

Withdrawing device for a gas bubbling plug.

Title (de)

Ausziehvorrichtung für einen Gasspülstein.

Title (fr)

Dispositif extracteur pour une brique pour lavage au gaz.

Publication

EP 0137961 B2 19940202

Application

EP 84109793 A 19840817

Priority

- DE 3330105 A 19830820
- DE 3402444 A 19840125

Abstract (en)

[origin: WO8501068A1] Unit enabling to extract a gas blow brick having a metal mantle, easily, rapidly and without any particular disturbance due to dirt, from a holed brick, respectively a holed brick sleeve. Said unit is comprised of a frame (1) bearing against the outside of the holed brick (2), respectively of the holed brick sleeve or against the outer wall of a metallurgical container, a traction rod (3) movably and axially directed with respect to the frame and orientable with respect to the medial axis of the gas blow brick (5), a coupling device (4) provided on the traction rod (3) for connecting the traction rod end to the gas blow brick (5), as well as a drive device (10) for moving the traction rod (3) in the direction deviating from the holed brick (2). The coupling device (4) is comprised of a coupling part (16) bearing on the traction rod (3), a countercoupling part (18) secured to the gas blow brick (5) as well as a coupling pin (28) pluggable through aligned holes (20, 27) into both coupling parts (16, 18).

IPC 1-7

C21C 7/072

IPC 8 full level

B22D 1/00 (2006.01); **C21C 5/46** (2006.01); **C21C 7/072** (2006.01)

CPC (source: EP US)

B22D 1/005 (2013.01 - EP US); **C21C 5/462** (2013.01 - EP US); **Y10T 29/5383** (2015.01 - EP US)

Cited by

US4995596A; CN103353232A; EP0226928A1; US4978108A; EP0204076A3; EP2343386A1; US4971295A; EP0364723A1; US5007621A; US5056762A; WO9200392A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 8501068 A1 19850314; DE 3469568 D1 19880407; EP 0137961 A1 19850424; EP 0137961 B1 19880302; EP 0137961 B2 19940202; US 4670958 A 19870609

DOCDB simple family (application)

DE 8400168 W 19840816; DE 3469568 T 19840817; EP 84109793 A 19840817; US 72669285 A 19850422