

Title (en)

Shaft furnace charging apparatus.

Title (de)

Vorrichtung zur Beschichtung eines Schachtofens.

Title (fr)

Installation de chargement d'un four à cuve.

Publication

EP 0513529 A1 19921119 (FR)

Application

EP 92106210 A 19920410

Priority

LU 87938 A 19910515

Abstract (en)

A plant for charging a shaft furnace comprising a rotary and pivoting distribution chute. The chute is supported removably by two side flanges (48a), (48b) of a U-shaped stirrup (48). When a first crown ring (40) integrally attached to a spherical cap (58) performs a relative movement in relation to a second crown ring (42), the spherical cap (58) causes the stirrup (48) to pivot via an arm (64), about its horizontal axis, which transmits this pivoting to the chute. <??>The end of the arm (64) pivots for this purpose in a skid (62) sliding in a groove (60) of the spherical cap (58). <IMAGE>

IPC 1-7

C21B 7/20

IPC 8 full level

C21B 7/20 (2006.01); **F27B 1/10** (2006.01); **F27B 1/20** (2006.01); **F27D 3/10** (2006.01)

CPC (source: EP US)

C21B 7/20 (2013.01 - EP US)

Citation (search report)

- [AD] FR 2636726 A1 19900323 - WURTH PAUL SA [LU]
- [A] FR 2634544 A1 19900126 - WURTH PAUL SA [LU]
- [A] DE 2657211 A1 19780706 - KOELSCH FOELZER WERKE AG
- [A] soviet inventions illustrated, section m24, week 9024, publie 25-07-90. derwent publications, london, gb

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0513529 A1 19921119; EP 0513529 B1 19960313; CA 2068499 A1 19921116; CN 1044007 C 19990707; CN 1066684 A 19921202; CS 148092 A3 19921118; CZ 285152 B6 19990512; DE 69208929 D1 19960418; DE 69208929 T2 19960725; JP 3118314 B2 20001218; JP H05179326 A 19930720; LU 87938 A1 19921215; RU 2060280 C1 19960520; UA 26978 C2 20000228; US 5299900 A 19940405

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EP 92106210 A 19920410; CA 2068499 A 19920512; CN 92103314 A 19920507; CS 148092 A 19920515; DE 69208929 T 19920410; JP 14819992 A 19920513; LU 87938 A 19910515; SU 5011515 A 19920514; UA 93003103 A 19930618; US 88300792 A 19920514