

Title (en)  
DEVICE FOR LOADING A SHAFT FURNACE

Title (de)  
VORRICHTUNG ZUR BESCHICKUNG EINES SCHACHTOFEN

Title (fr)  
DISPOSITIF DE CHARGEMENT D'UN FOUR A CUVE

Publication  
**EP 0730666 A1 19960911 (FR)**

Application  
**EP 95901392 A 19941117**

Priority  
• EP 9403815 W 19941117  
• LU 88429 A 19931123

Abstract (en)  
[origin: WO9514793A1] A device for loading a shaft furnace having a lower cone (20). The device includes lower sealing members (48, 60) for sealing off an upper hopper (34) from a lower hopper (14) and collecting a load material. When opened, said lower sealing members (48, 60) are arranged to define a clear central material flow channel (50). The material flow forms a compact and focused flow. Members (28, 30, 24, 26) for moving the lower cone are arranged so that they do not hinder focusing of said flow. A deflecting surface (66) is arranged above the lower cone (20) to split the focused flow into a flow having rotational symmetry, whereby, inter alia, an improved filling symmetry in the lower hopper (14) is achieved.

IPC 1-7  
**C21B 7/18**

IPC 8 full level  
**C21B 7/20** (2006.01); **C21B 7/18** (2006.01); **F27B 1/20** (2006.01)

CPC (source: EP US)  
**C21B 7/18** (2013.01 - EP US); **F27B 1/20** (2013.01 - EP US)

Citation (search report)  
See references of WO 9514793A1

Designated contracting state (EPC)  
DE GB IT SE

DOCDB simple family (publication)  
**WO 9514793 A1 19950601**; AU 1065795 A 19950613; BR 9408149 A 19970812; CN 1040773 C 19981118; CN 1135773 A 19961113; CZ 145196 A3 19960911; CZ 285214 B6 19990616; DE 69406144 D1 19971113; DE 69406144 T2 19980305; EP 0730666 A1 19960911; EP 0730666 B1 19971008; HU 219525 B 20010428; HU 9601386 D0 19960729; HU T76386 A 19970828; LU 88429 A1 19950710; PL 179699 B1 20001031; PL 314614 A1 19960916; RO 117191 B1 20011130; RU 2134300 C1 19990810; SK 66396 A3 19970205; UA 41966 C2 20011015; US 5829968 A 19981103

DOCDB simple family (application)  
**EP 9403815 W 19941117**; AU 1065795 A 19941117; BR 9408149 A 19941117; CN 94194263 A 19941117; CZ 145196 A 19941117; DE 69406144 T 19941117; EP 95901392 A 19941117; HU 9601386 A 19941117; LU 88429 A 19931123; PL 31461494 A 19941117; RO 9601057 A 19941117; RU 96115113 A 19941117; SK 66396 A 19941117; UA 96062483 A 19960621; US 64636196 A 19960627