

Title (en)  
FURNACE TOP CHUTE FEEDER FOR BLAST FURNACE

Title (de)  
OBERE OFENSCHACHTZUFÜHRVORRICHTUNG FÜR HOCHOFEN

Title (fr)  
DISPOSITIF D'ALIMENTATION DE GOULOTTE SUPÉRIEURE DE FOUR POUR HAUT-FOURNEAU

Publication  
**EP 2808406 A1 20141203 (EN)**

Application  
**EP 12738007 A 20120306**

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• CN 2012071989 W 20120306

Abstract (en)  
The present invention discloses a furnace top chute distributor for a blast furnace, including an airtight case, a choke, an upper slewing bearing, a rotating sleeve, a chute, a universal frame, a lower slewing bearing, a dial wheel assembly, a cylinder and a horizontal driving apparatus for driving the upper slewing bearing to rotate. The choke extends through a top cover provided on top of the airtight case and into the airtight case. An inner ring of the upper slewing bearing is connected with the top cover. The rotating sleeve on which a lug is provided is connected with an outer ring of the upper slewing bearing, and the chute is hung within the rotating sleeve via the lug. The lug is connected to one end of a crank, while the other end of the crank is positioned within a slideway of the universal frame. An inner ring of the lower slewing bearing is connected with the universal frame. One end of the dial wheel assembly is connected with the inner ring of the lower slewing bearing, while the other end thereof is positioned within a runner of the rotating sleeve. The cylinder is used for drawing the lower slewing bearing to move up and down. The furnace top chute distributor for a blast furnace according to the present invention has advantages, such as reasonable structure, long lifetime, the shortest gearing chain, more stable operation, and no lateral force to the guide rail.

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Cited by  
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