

Title (en)  
FEED DEVICE FOR A SHAFT FURNACE

Title (de)  
BESCHICKUNGSVORRICHTUNG FÜR EINEN SCHACHTOFEN

Title (fr)  
DISPOSITIF D'ALIMENTATION POUR UN FOUR A CUVE

Publication  
**EP 1187940 B1 20040929 (DE)**

Application  
**EP 00938811 A 20000623**

Priority  
• DE 19929180 A 19990625  
• EP 0005798 W 20000623

Abstract (en)  
[origin: DE19929180A1] The invention relates to a feed device (100) for a shaft furnace (101) comprising a revolving chute (107, 111) having a cylindrical basic body (107) that can be rotationally driven around a first substantially vertical axis of rotation (A1) with a first drive mechanism (119) and feed chute (111) that is firmly connected to an outlet (107a) of the basic body and that rotates with the latter. The feed chute consists of a top part (113) adjacent to the outlet of the basic body having a longitudinal extension that is inclined in relation to the first axis of rotation and a bottom part (115) that is rotationally connected to the top part and having a second drive mechanism (127) for effecting rotation around a second substantially vertical axis of rotation (A2) located at a distance from the first axis of rotation.

IPC 1-7  
**C21B 7/20**

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

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

Cited by  
DE102015116066A1; WO2017050312A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6580744 B1 20030617**; AT E278037 T1 20041015; AU 5406400 A 20010131; BR 0011937 A 20020319; CA 2377705 A1 20010104; CA 2377705 C 20080415; CN 1194105 C 20050323; CN 1358234 A 20020710; CZ 20014475 A3 20020515; CZ 298809 B6 20080213; DE 19929180 A1 20010104; DE 19929180 C2 20010809; DE 50008008 D1 20041104; EP 1187940 A1 20020320; EP 1187940 B1 20040929; ES 2230114 T3 20050501; JP 2003503600 A 20030128; JP 4278899 B2 20090617; KR 100685462 B1 20070223; KR 20020025089 A 20020403; PL 192919 B1 20061229; PL 353182 A1 20031103; RU 2241183 C2 20041127; SK 19032001 A3 20020604; SK 286349 B6 20080707; TR 200103705 T2 20020722; UA 73124 C2 20050615; WO 0100884 A1 20010104; ZA 200110458 B 20020830

DOCDB simple family (application)  
**US 1892501 A 20011219**; AT 00938811 T 20000623; AU 5406400 A 20000623; BR 0011937 A 20000623; CA 2377705 A 20000623; CN 00809479 A 20000623; CZ 20014475 A 20000623; DE 19929180 A 19990625; DE 50008008 T 20000623; EP 0005798 W 20000623; EP 00938811 A 20000623; ES 00938811 T 20000623; JP 2001506873 A 20000623; KR 20017016659 A 20011226; PL 35318200 A 20000623; RU 2001134616 A 20000623; SK 19032001 A 20000623; TR 200103705 T 20000623; UA 2001129045 A 20000623; ZA 200110458 A 20011220