

Title (en)
DEVICE FOR INTRODUCING COAL IN AN HEATING CHAMBER UNDER HIGH PRESSURE

Publication
EP 0086260 A3 19840530 (DE)

Application
EP 82110460 A 19821112

Priority
DE 3205321 A 19820215

Abstract (en)
[origin: EP0086260A2] 1. Device for feeding coal into a combustion chamber (11) under elevated pressure in which a mill (5) is provided with one feed line for raw coal and one for carrier gas each and in the feed line for raw coal two intermediate bunkers (12, 13) are arranged in series directly before the inlet of mill (5) in whose inlets (14) one pressure-tight closing shut-off device each is arranged, characterized in that mill (5) is directly connected with the combustion chamber (11) via one or several pulverized fuel lines, that the first intermediate bunker (12) seen in the direction of raw coal flow is provided with a vent line (18) capable of being shut off and that the shut-off devices are designed as pressure-tight closing gate valves (16, 17) before which - seen in the direction of coal flow - one intermediate conveyor each (21, 6) is arranged.

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F27D 3/00

IPC 8 full level
F23K 1/00 (2006.01); **F23K 3/02** (2006.01); **F27B 15/00** (2006.01); **F27D 3/00** (2006.01); **F27D 23/00** (2006.01); **F27D 99/00** (2010.01); **F27D 3/10** (2006.01)

CPC (source: EP)
F23K 1/00 (2013.01); **F27B 15/003** (2013.01); **F27D 99/0003** (2013.01); **F27D 3/10** (2013.01)

Citation (search report)
• [Y] US 3306238 A 19670228 - BELL SAMUEL A, et al
• [Y] US 3204942 A 19650907 - MATTHYS WILLIAM J, et al
• [Y] DE 1473098 A1 19700212 - SIDERURGIE FSE INST RECH
• [Y] DE 1188098 B 19650304 - SIDERURGIE FSE INST RECH
• [Y] JOURNAL OF METALS, April 1968, Seiten 85-87, S.A. BELL et al.: "Coal injection - Bellefonte furnace"
• [A] STAHL UND EISEN, Band 101, Nr. 1, 12. Januar 1981, Seiten 35-37, Düsseldorf, DE. J. MONSON et al.: "Ein kurzer Überblick über das Einblasen von Kohle in den Hochofen"

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Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0086260 A2 19830824; EP 0086260 A3 19840530; EP 0086260 B1 19870225; AT E25551 T1 19870315; AU 554229 B2 19860814; AU 9140982 A 19830825; CA 1223774 A 19870707; DE 3205321 A1 19830818; DE 3275481 D1 19870402; JP H0225089 B2 19900531; JP S58145816 A 19830831; ZA 828682 B 19830928

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