

Title (en)
DRYING INSTALLATION FOR LIGNITE WITH A HIGH WATER CONTENT

Publication
EP 0155927 A3 19860326 (DE)

Application
EP 85890039 A 19850215

Priority
AT 95084 A 19840321

Abstract (en)
[origin: US4628619A] A drying plant for brown coals of high water content comprises, as seen in flow direction of the coal and one behind the other, a conveyor means (2) equipped with a means (3) for spraying hot waste water onto the coal, a wet sieve (4) equipped with a means (5) for supplying residual steam, a conveyor means (6) for conveying the sieved material to a pressure lock (7), a preheating means (8) equipped with a pressure lock (7) at the charging location and with connections for steam conduits (11), a further pressure lock (13) for discharging the coal from the preheating means (8) and for charging the coal into an autoclave (14) being adapted for being supplied with steam, preferably saturated steam, and having connected thereto waste water conduits (12), a sieve drum (15) arranged within the autoclave (14) and being equipped with a variable rotational drive means (16) and with conveyor elements, in particular screw conveyor elements, a further pressure lock (19) for discharging the steamed material into a subsequent drying means (20), a subsequent drying means (20) having a connection (22) for preheated gases such as steam, air or inert gases, and a means (23) for transporting away the dry coal.

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C10F 5/00

IPC 8 full level
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Citation (search report)
• [Y] DE 3039012 A1 19810423 - VOEST ALPINE AG [AT]
• [Y] AT 365629 B 19820210 - VOEST ALPINE AG [AT]
• [A] GB 2067731 A 19810730 - VOEST ALPINE AG

Cited by
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