

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.

IPC 1-7  
**C10F 5/00**

IPC 8 full level  
**C10F 5/00** (2006.01); **C10L 9/08** (2006.01); **F26B 3/06** (2006.01); **F26B 3/22** (2006.01); **F26B 5/04** (2006.01); **F26B 5/08** (2006.01); **F26B 9/06** (2006.01)

CPC (source: EP US)  
**C10F 5/00** (2013.01 - EP US); **C10L 5/04** (2013.01 - EP US); **C10L 9/00** (2013.01 - EP US); **C10L 2290/06** (2013.01 - EP US); **C10L 2290/08** (2013.01 - EP US); **C10L 2290/146** (2013.01 - EP US); **C10L 2290/148** (2013.01 - EP US); **C10L 2290/18** (2013.01 - EP US); **C10L 2290/50** (2013.01 - EP US); **C10L 2290/546** (2013.01 - EP US)

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  
EP0222730A3; AT392156B; EP0485721A1; EP0166716A3; EP3181664A1

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

DOCDB simple family (publication)  
**EP 0155927 A2 19850925; EP 0155927 A3 19860326; EP 0155927 B1 19880727**; AT E36004 T1 19880815; AU 4002085 A 19850926; AU 576559 B2 19880901; CA 1268329 A 19900501; CS 177385 A2 19900314; CS 271459 B2 19901012; DD 238850 A5 19860903; DE 3563978 D1 19880901; GR 850677 B 19850719; HU 190557 B 19860929; HU T37492 A 19851228; JP S60212491 A 19851024; SU 1378792 A3 19880228; TR 22540 A 19870212; US 4628619 A 19861216; YU 39585 A 19880831; YU 44684 B 19901231

DOCDB simple family (application)  
**EP 85890039 A 19850215**; AT 85890039 T 19850215; AU 4002085 A 19850315; CA 475173 A 19850226; CS 177385 A 19850314; DD 27424885 A 19850319; DE 3563978 T 19850215; GR 850100677 A 19850318; HU 72785 A 19850227; JP 5627785 A 19850320; SU 3865404 A 19850314; TR 1252085 A 19850318; US 70982085 A 19850308; YU 39585 A 19850313