

Title (en)

Process and device for conveying and metering dry brown coal dust to the combustion chamber of steam boilers

Title (de)

Verfahren und Vorrichtung zur Förderung und Dosierung von Trockenbraunkohlestaub (TBK-Staub) in den Feuerraum von Dampferzeugern (DE)

Title (fr)

Procédé et dispositif de transport et de dosage du lignite pulvérisé sèche dans le foyer des générateurs de vapeur

Publication

EP 0872689 A2 19981021 (DE)

Application

EP 98106210 A 19980404

Priority

DE 19715973 A 19970417

Abstract (en)

The pneumatic conveyor consists of a continuous conveyor and dispenser with at least one lock (2) for the pulverised lignite controlled by the capacity. The pressure of the pulverised lignite (TBK) is equalised to the pressure-level of the feeder (3) container by tensioning (19) and tension-release (18) gas conveyors, with controls and meters for the maximum and minimum levels. The feeder container (3) has a swirl-base, a mechanical homogeniser in the fluidised bed, a weighing device (10) and regulator, and pressure-meter and regulator in relation to the nominal value of the flow of pulverised lignite.

Abstract (de)

Verfahren und Vorrichtung zur Förderung und Dosierung von Trockenbraunkohlestaub in den Feuerraum von Dampferzeugern (7) mittels pneumatischer Fördertechnik, wobei vorgemahlene und getrocknete Rohbraunkohle über Druckschleusen (2) und Einspeisebehälter mit Wirbelboden (3,4) in einem Förderrohr (5) zu einem Brenner (8) geführt wird. <IMAGE>

IPC 1-7

F23K 1/00; **F23K 3/02**; **F23D 1/00**

IPC 8 full level

F23K 1/04 (2006.01); **F23D 1/00** (2006.01); **F23K 1/00** (2006.01); **F23K 3/02** (2006.01)

CPC (source: EP)

F23D 1/00 (2013.01); **F23K 1/00** (2013.01); **F23K 3/02** (2013.01); **F23D 2900/01001** (2013.01); **F23K 2201/101** (2013.01); **F23K 2201/20** (2013.01); **F23K 2203/103** (2013.01); **F23K 2900/03001** (2013.01)

Citation (applicant)

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- DE 3433313 A1 19860320 - WIESER DR RUDOLF
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DOCDB simple family (publication)

EP 0872689 A2 19981021; **EP 0872689 A3 19990922**; **EP 0872689 B1 20021127**; CZ 107398 A3 19990317; DE 19715973 A1 19981022; DE 59806391 D1 20030109; PL 325817 A1 19981026

DOCDB simple family (application)

EP 98106210 A 19980404; CZ 107398 A 19980408; DE 19715973 A 19970417; DE 59806391 T 19980404; PL 32581798 A 19980416