

Title (en)

Pneumatic ash transporting and containing system.

Title (de)

Pneumatisches Aschetransport- und Lagerungssystem.

Title (fr)

Système pneumatique pour le transport de cendre et système de stockage.

Publication

EP 0030985 A1 19810701 (EN)

Application

EP 79105289 A 19791220

Priority

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Abstract (en)

Apparatus including an enclosed pressurized conveying and storage system that will allow potentially explosive flyash or other fine material to be handled with the minimum possibility of damage to the equipment in the event of an explosion. The steel storage vessel (10) is maintained under slight pressure with inert gases by means of a pressure relief valve (48) and an inert gas supply (44,46) and is kept at a high enough temperature to prevent condensation of the gas (so that corrosive acids are not formed) by electric inductance heaters (16) and insulation (18). Airlock valves (36,38,24) are used to allow the ash into and out of the transport and containment system.

IPC 1-7

F23J 1/00; B65G 3/00; B65D 88/72

IPC 8 full level

F23J 3/06 (2006.01)

CPC (source: EP)

F23J 3/06 (2013.01)

Citation (search report)

- AT 175004 B 19530526 - WAAGNER BIRO AG
- US 2538320 A 19510116 - EMIL MYLTING LAURITZ
- FR 2202824 A1 19740510 - POLYSIUS AG [DE]
- CH 539563 A 19730731 - UERDINGEN AG WAGGONFABRIK [DE]
- DE 464326 C 19280821 - BABCOCK & WILCOX DAMPFKESSEL
- US 4081110 A 19780328 - EVANS ARTHUR J
- AT 67159 B 19141210 - R KUTSCHE FA
- DE 2454395 A1 19760526 - BERGWERKSVERBAND GMBH, et al
- DE 427745 C 19260413 - MUELLER ARNO
- AT 177496 B 19540210 - WALTHER & CIE AG [DE]
- AT 267030 B 19681210 - MEDITERRANEA COMPAGNIA IND COM [IT]
- DE 2819184 A1 19781116 - APPA THERMAL EXCHANGES LTD

Cited by

EP1172127A3; EP2857747A4; US10001277B2

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