

Title (en)

An ash disposal system for ash discharged from a coal-fired combustion chamber.

Title (de)

Aschebeseitigungssystem für die Asche aus einer kohlebefeueren Verbrennungskammer.

Title (fr)

Système pour enlever la cendre dégagée par une chambre de combustion chauffée au charbon.

Publication

EP 0029235 A1 19810527 (EN)

Application

EP 80107060 A 19801114

Priority

US 9504179 A 19791116

Abstract (en)

Apparatus for handling ash produced in the combustion of coal in the furnace (10) of a steam generator, including an ash hopper (14) beneath the furnace (10), a water transport system (26) for carrying the ash away from the hopper (14), a screen arrangement (32) for separating most of the water from the ash, and a relatively small settling bin (40) or tank for separating the ash from the remainder of the water. The separated water can be recycled in a closed loop (44), to be used again as the transport water.

IPC 1-7

F23J 1/02

IPC 8 full level

B01D 24/02 (2006.01); **B01D 29/00** (2006.01); **B09B 5/00** (2006.01); **F23J 1/00** (2006.01); **F23J 1/02** (2006.01)

CPC (source: EP)

F23J 1/00 (2013.01); **F23J 1/02** (2013.01)

Citation (search report)

- GB 134081 A
- GB 220749 A 19240828 - UNDERFEED STOKER CO LTD, et al
- AT 137077 B 19340410 - ROTHSTEIN ANTON
- DE 967861 C 19571219 - BABCOCK & WILCOX DAMPFKESSEL

Cited by

FR2560970A1; US5082572A; US4432288A; DE19830943B4; EP0971170A3; CN107300186A

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0029235 A1 19810527; AU 6437380 A 19810521; CA 1145617 A 19830503; ES 496759 A0 19820101; ES 8201719 A1 19820101; IN 154188 B 19840929; JP S5681167 A 19810702; KR 830004565 A 19830713

DOCDB simple family (application)

EP 80107060 A 19801114; AU 6437380 A 19801114; CA 357957 A 19800811; ES 496759 A 19801112; IN 979CA1980 A 19800826; JP 15894480 A 19801113; KR 800004377 A 19801114