

Title (en)

Method and apparatus for atomizing slurry-type fuel.

Title (de)

Verfahren und Vorrichtung zur Zerstäubung von schlammartigem Brennstoff.

Title (fr)

Procédé et appareil pour pulvériser du combustible boueux.

Publication

EP 0111793 A2 19840627 (EN)

Application

EP 83112084 A 19831201

Priority

US 45162282 A 19821220

Abstract (en)

A method and apparatus for atomizing slurry-type fuels includes introducing a slurry-type fuel under pressure into a mixing chamber and introducing an atomizing fluid under pressure into the mixing chamber in a tangential direction along the periphery of the mixing chamber and the atomizer fuel exiting from the mixing chamber through an orifice. The degree of atomization of the slurry-type fuel may be adjusted by varying the pressure differential between the slurry-type fuel and the atomizing fluid entering the mixing chamber.

IPC 1-7

F23D 1/00

IPC 8 full level

F23D 11/38 (2006.01); **F23D 1/00** (2006.01); **F23D 99/00** (2010.01)

CPC (source: EP)

F23D 1/005 (2013.01)

Cited by

GB2298808A; CN107763615A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0111793 A2 19840627; **EP 0111793 A3 19850522**; AU 2253483 A 19840628; CA 1206041 A 19860617; JP S59170611 A 19840926; PL 245221 A1 19840730

DOCDB simple family (application)

EP 83112084 A 19831201; AU 2253483 A 19831219; CA 443631 A 19831219; JP 24078683 A 19831220; PL 24522183 A 19831220