

Title (en)
PULVERIZED SOLID FUEL BURNING APPARATUS.

Title (de)
FEUERUNGSVORRICHTUNG FÜR PULVERFESTBRENNSTOFFE.

Title (fr)
BRULEUR DE COMBUSTIBLE SOLIDE PULVERISE.

Publication
EP 0118455 A4 19850730 (EN)

Application
EP 83901967 A 19830411

Priority
US 37834782 A 19820514

Abstract (en)
[origin: WO8304085A1] A system for pulverizing and burning solid fuel, such as coal or other fossil fuel, characterized by a possible turndown ratio of up to as least one to fifteen, includes a unique pulverizer (12) capable of both impact and autogenous pulverizing, and a unique burner (14) which includes a valve firing nozzle having a firing conduct (48) with firing orifice (49) and controlled secondary air supply (16, 16a, 54, 59). A movable valve element (50), preferably in the form of double-taper-ended body, positioned downstream from the firing orifice (49) passes a turbulent stream of mixed primary and secondary, in which are suspended particles of the pulverized fuel, into an ignition chamber (55) and controls flame shape.

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F23D 1/00; **F23K 1/00**

IPC 8 full level
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F23K 2201/10 (2013.01 - EP)

Citation (search report)
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