

## NEW PATENTS

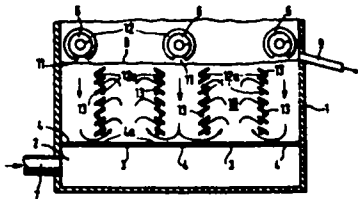
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### FLUIDIZED BED REACTOR FOR PARTICULATE MATERIAL

Hans-Diete Schilling, Ulrich Grabenhorst, Hattingen, Federal Republic Of Germany assigned to Bergwerksverband GmbH



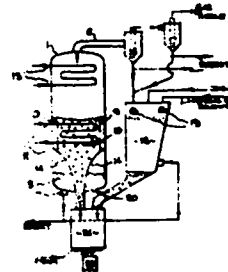
A method of treating a particulate material in a fluidized bed reactor includes supplying a particulate material into a working space above at least one zone which is characterized by reduced passage of a fluidizing gas. A fluidizing bed reactor is designed so that its means for supplying a particulate material is arranged above at least one zone of the reduced passage of the fluidizing gas. The passage of the fluidizing gas in this zone can be completely prevented. Jalousie-shaped inserts are arranged above edges of the zone and have inclined surfaces.

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### HYDRO/PRESSURIZED FLUIDIZED BED COMBUSTOR

Bede A Boyle, Newcastle, N S W 2300, Australia

A hydro-pressurized fluidized bed combustor having an upstanding shell and only a single

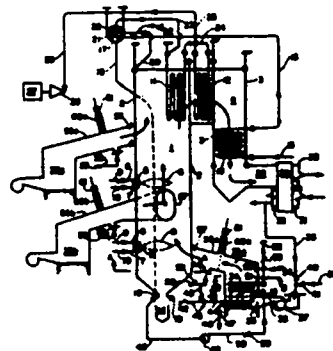


entry at its bottom for admission of feedstock. Inside the shell an entry conduit is outwardly flared in the upward direction to furnish a controlled expansion entry feeding into the fluidized bed. An injector pump feeds the feedstock into the single entry.

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### STEAM GENERATOR HAVING EXTERNAL FLUIDIZED BED COMBUSTION MEANS

Charles Strohmeyer assigned to Electrodyne Research Corporation



The invention provides a means for more effectively adapting fluidized bed combustors for