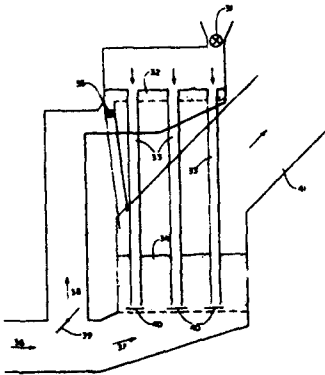


screen and cling to the surfaces of the filter elements from which they may be intermittently dislodged by an air blast directed into these elements from the clean-air unit. The dislodged particles fall into a recovery compartment of the housing which lies below the level of the chamber bottom, this bottom sloping down toward the recovery compartment where-by particles dropping to the chamber floor can slide directly into that compartment underneath the apertured screen. A flexible conduit connects the recovery compartment with the spray gun for recirculation of the particles which, after passing through a strainer, are reconditioned by a fluidized bed in the recovery compartment. Cutouts in the sidewalls and a slot in the roof of the booth enable the introduction and withdrawal of workpieces suspended from above.

4354439

METHOD OF AND A DEVICE FOR FEEDING SOLID FUEL IN A FLUIDIZED BED HEARTH

Fritz Baunack assigned to Babcock-BSH AG vormals Buttner-Schilde-Haas AG



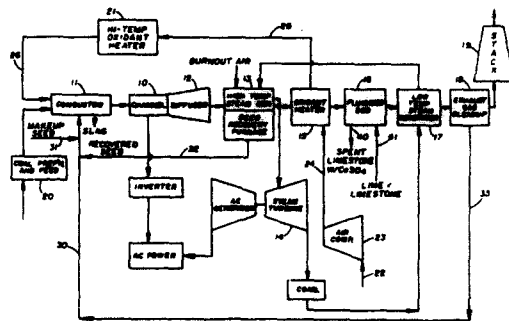
In the method of feeding pulverized solid fuels into a fluidized bed hearth, the granular solid fuel is first delivered into a fuel distributing space where it is fluidized by means of a whirling stream of air and the fine granular components of the fluidized fuel are pneumatically fed through an array of feeding pipes into the fluidized bed formed in the combustion space of the hearth. The device for performing the method includes heat-resistant feeding pipes uniformly distributed between the

combustion space and projecting into the fuel distributing space to immerse into the fuel distributing fluidized bed of fuel. The fluidizing air of stream is introduced into the distributing chamber to act both as the fuel conveying medium and as a combustion air in the combustion space.

4354354

SYSTEM FOR RECOVERY OF SULFUR DIOXIDE IN AN MHD POWER PLANT

Stanley Wysk; James Clark assigned to Combustion Engineering Inc

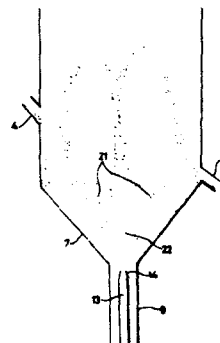


The seed, in the form of K_2SO_4 , is fed into an MHD combustor, mechanically recovered, and recycled. Sulfur dioxide in the discharge of the MHD channel is recovered downstream by a fluidized bed of lime/limestone.

4353730

GRANULATING PROCESS

Bunji Kinno; Hiroshi Hirayama; Tetsuzo Honda assigned to Toyo Engineering Corporation; Mitsui Toatsu Chemicals Incorporate



In the method of feeding pulverized solid fuels into a fluidized bed hearth, the granular solid fuel is first delivered into a fuel distributing space where it is fluidized by means of a whirling stream of air and the fine granular components of the fluidized fuel are pneumatically fed through an array of feeding pipes into the fluidized bed formed in the combustion space of the hearth. The device for performing the method includes heat-resistant feeding pipes uniformly distributed between the