

bustion within the fluidized bed can be ensured and the combustion can be controlled over a wide range and optimized depending upon a load.

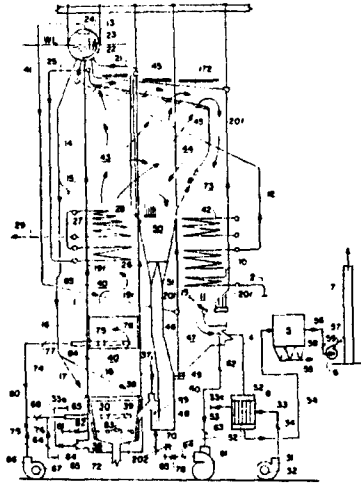
4462341

**CIRCULATING FLUIDIZED BED
COMBUSTION SYSTEM FOR A
STEAM GENERATOR WITH
PROVISION FOR STAGED FIRING**

Charles Strohmeyer

The invention comprises a steam generator having a circulating fluidized bed combustion system whereby there is provision to admit air flow incrementally along the gas path to control combustion rate and firing temperature in a manner to maintain differential temperatures along the gas path. The initial portion of the gas path where combustion is initiated can be held in

one temperature range as 1550 degrees F. which is optimum for sulphur retention and the final portion of the combustion zone can be elevated in temperature as to 1800 degrees F. to produce a greater degree of heat transfer through the gas to fluid heat exchange surface downstream of the combustion zone.



For information about PATSEARCH®

Pergamon InfoLine Inc.
1340 Old Chain Bridge Road
McLean, Virginia 22101
USA
Telephone (703) 442-0900
Telex: 90-1811

Pergamon InfoLine
Limited
12 Vandy Street
London EC2A 2DE
England
Telephone (01) 377-4650
Telex: 8814614

Pergamon Press
Canada Ltd
150 Consumers Road, Suite 104
Willowdale, Ontario
Canada M2J 1P9
Telephone (416) 497-8337