

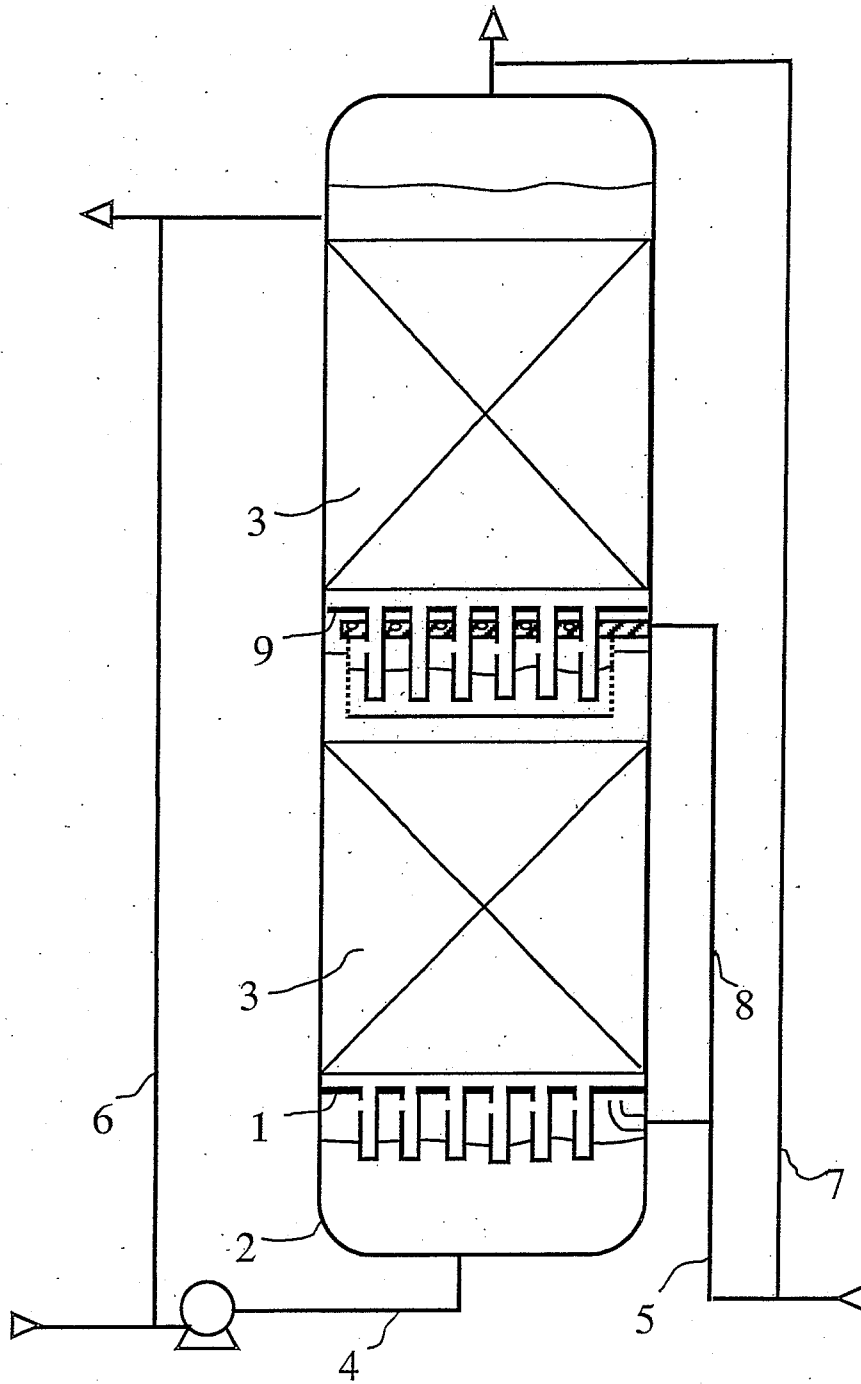


FIG. 1

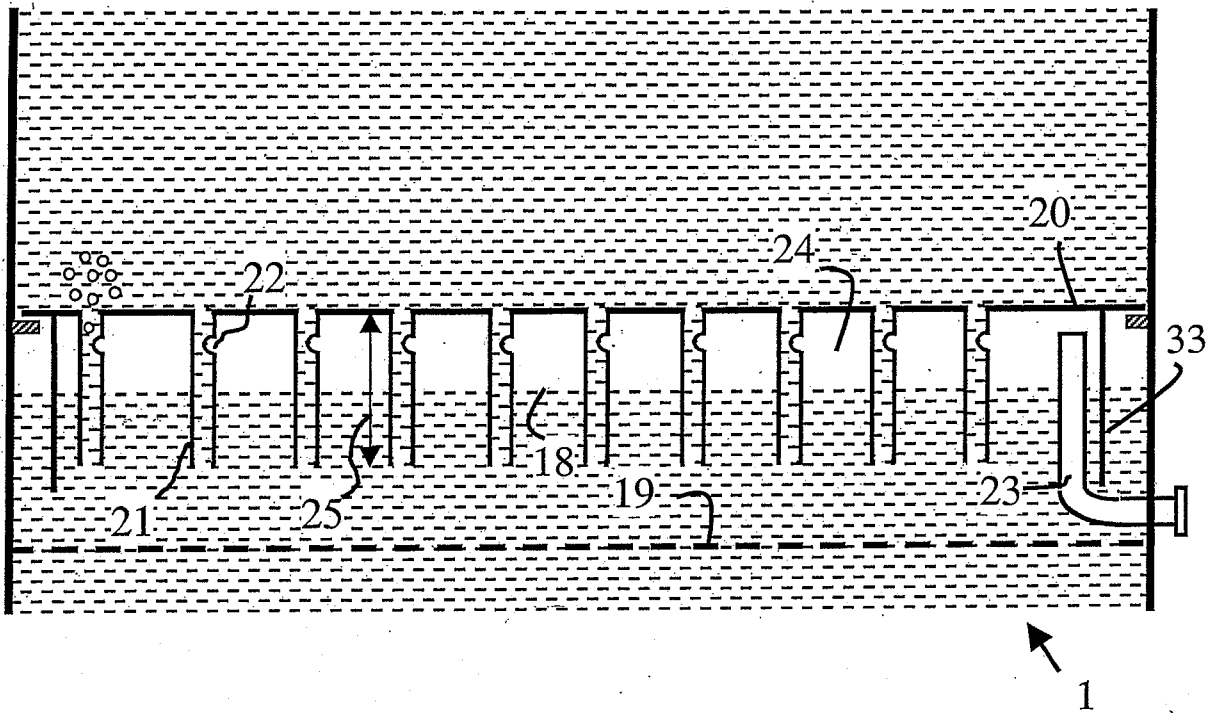


FIG. 2

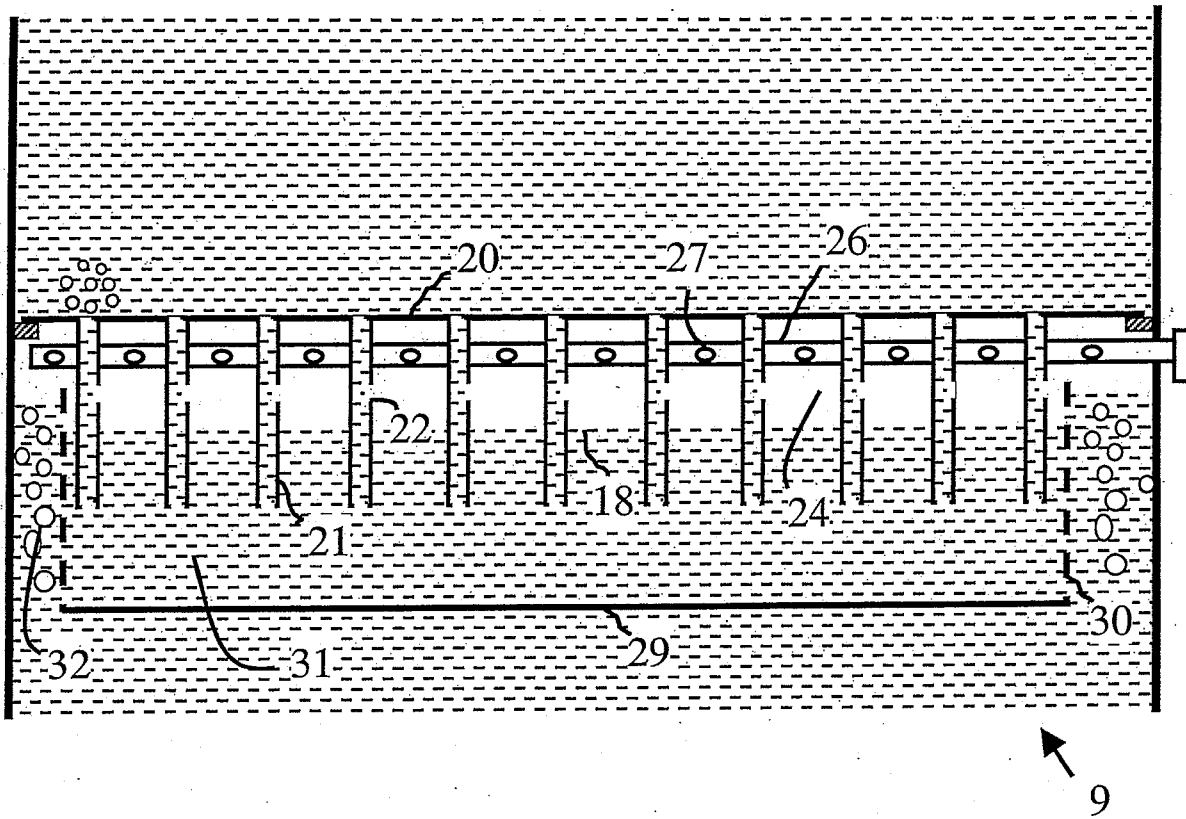


FIG. 3

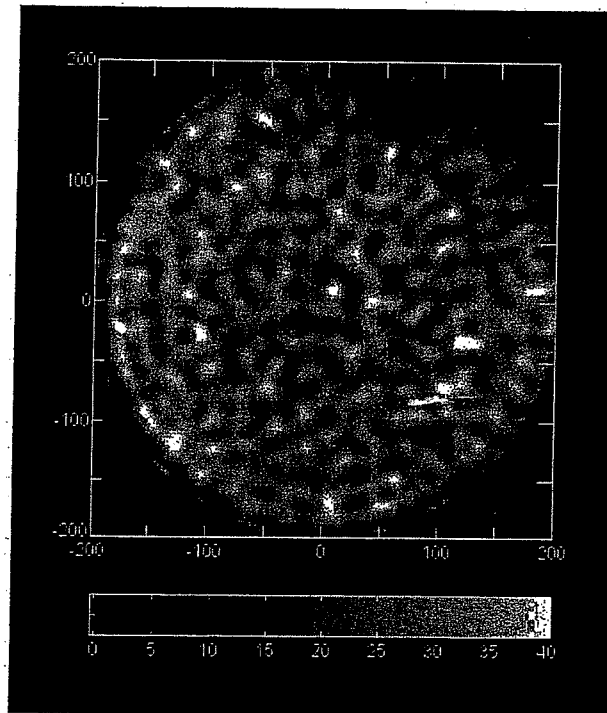


Figure 4a) 2D image of the gas ratio in the bed.

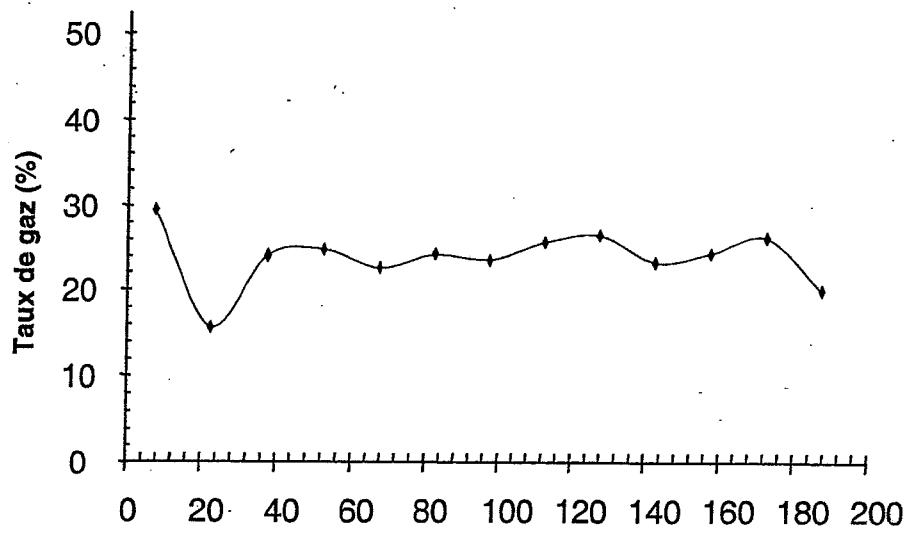


Figure 4b) Radial profile of the gas ratio in the bed
 [x-axis of the graph] column radius (mm)
 [y-axis of the graph] gas ratio (%)

FIG. 4

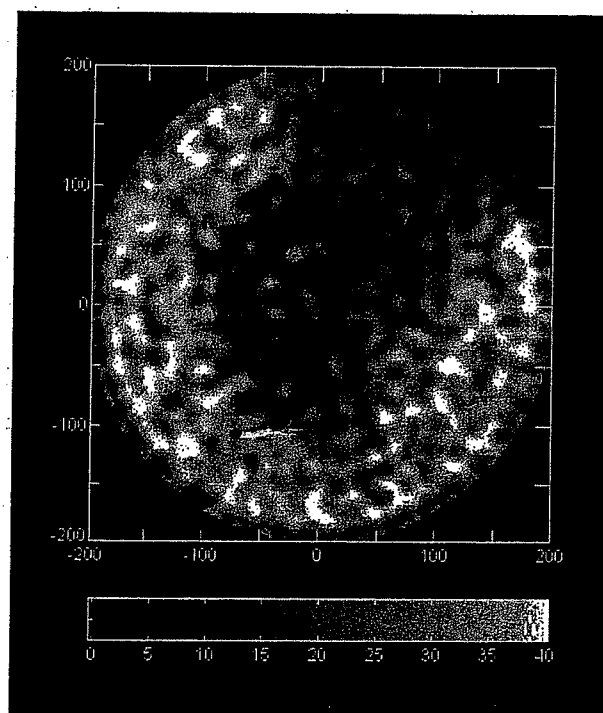


Figure 5a) 2D image of the gas ratio in the bed

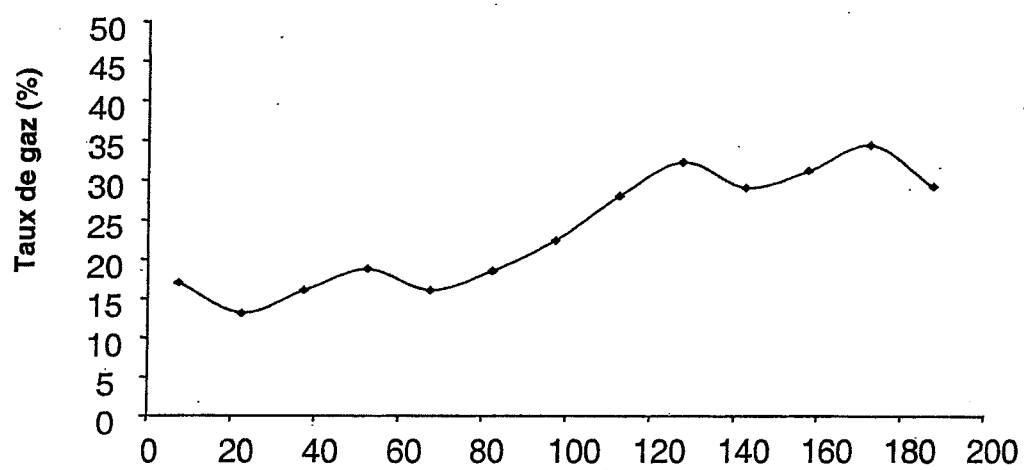


Figure 5b) radial profile of the gas ratio in the bed

[x-axis] radius (mm)

[y-axis] gas ratio (%)

FIG. 5