FIG. 1

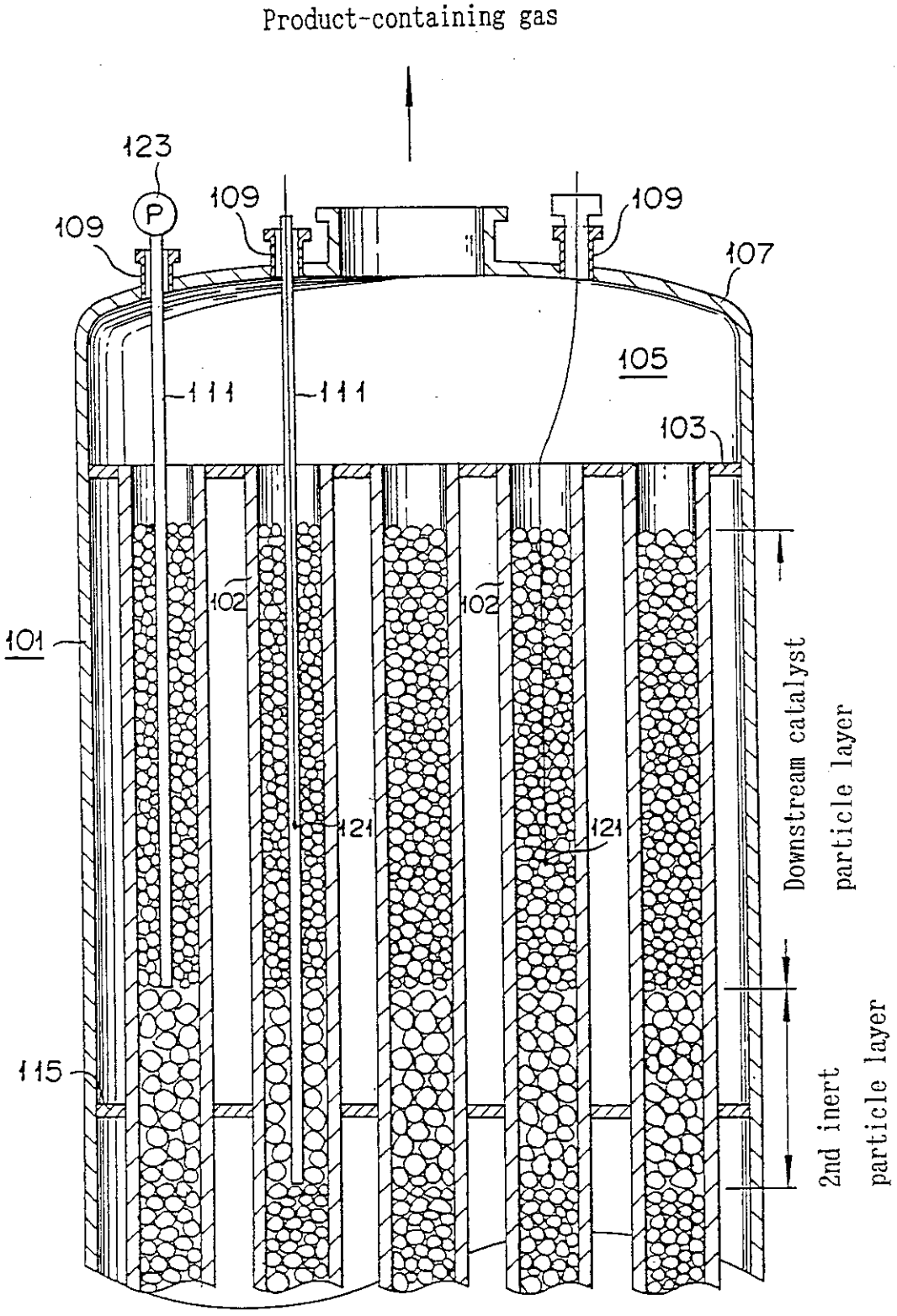

Product-containing gas
123
P
109
109
109
107
105
111
111
103
102
102
101
121
121
115
Downstream catalyst particle layer
2nd inert particle layer

FIG.2

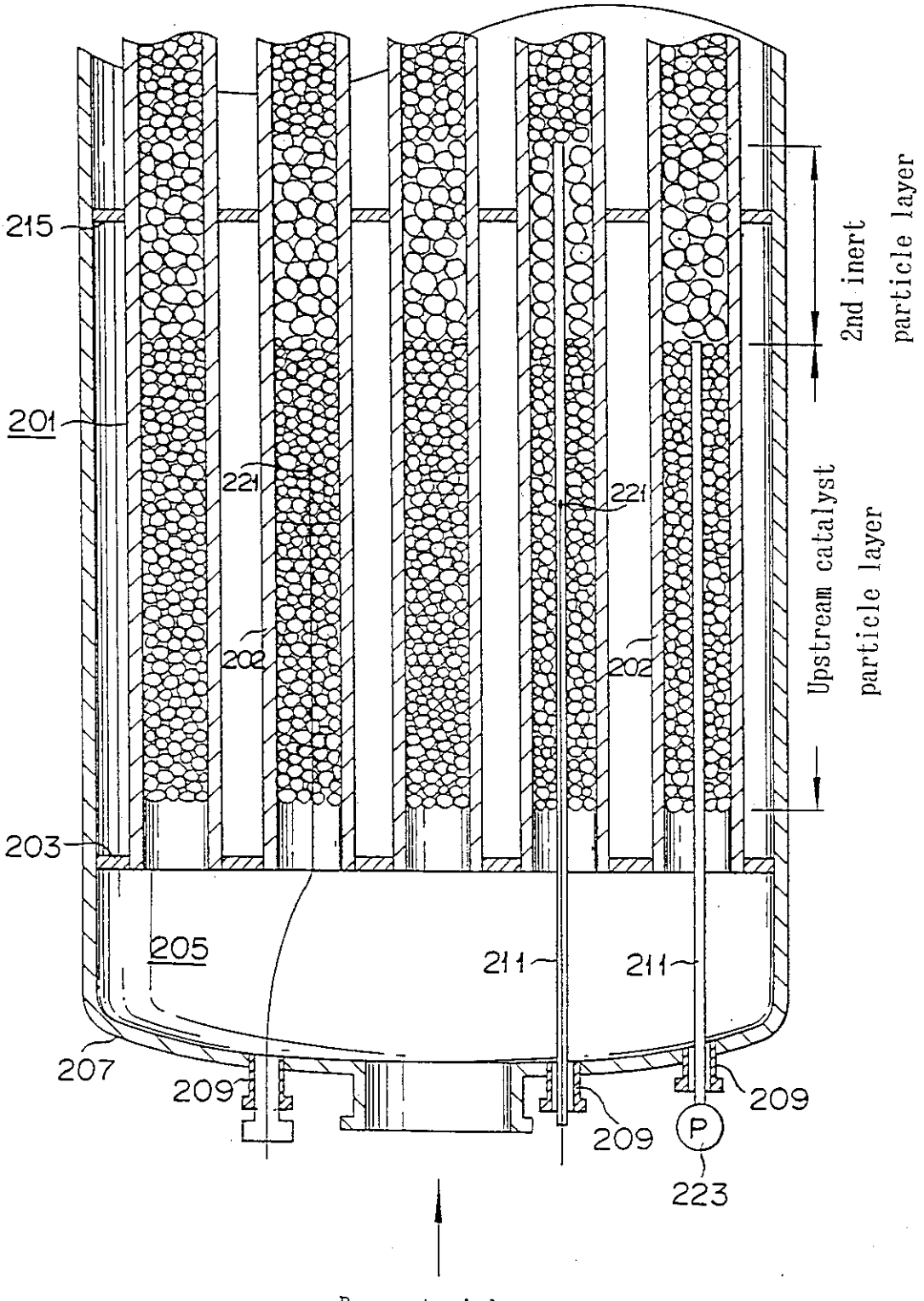

215
201
221
221
202
202
203
205
211
211
207
209
209
209
P
223
2nd inert particle layer
Upstream catalyst particle layer
Raw material gas

FIG.3A

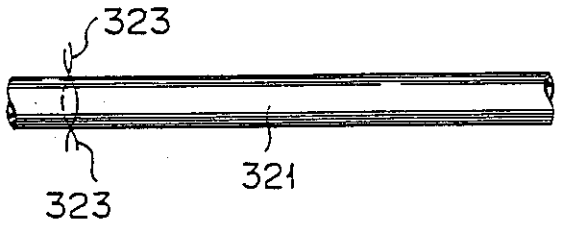


FIG.3B

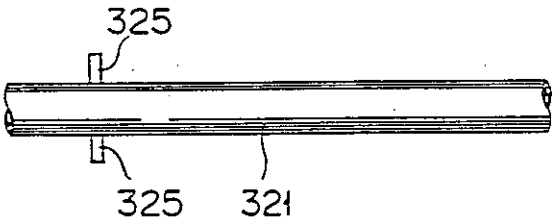


FIG.3C

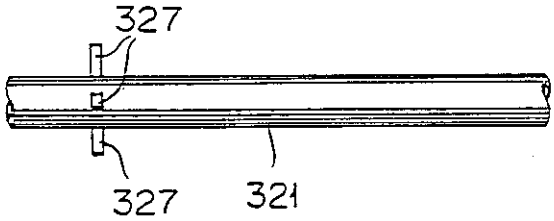


FIG.3D

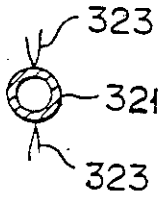


FIG.3E

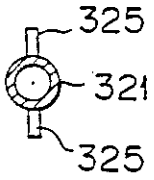


FIG.3F

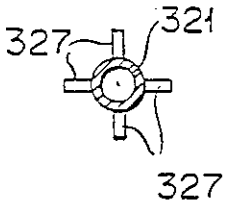


FIG.4A

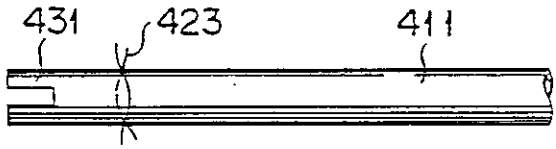


FIG.4B

