

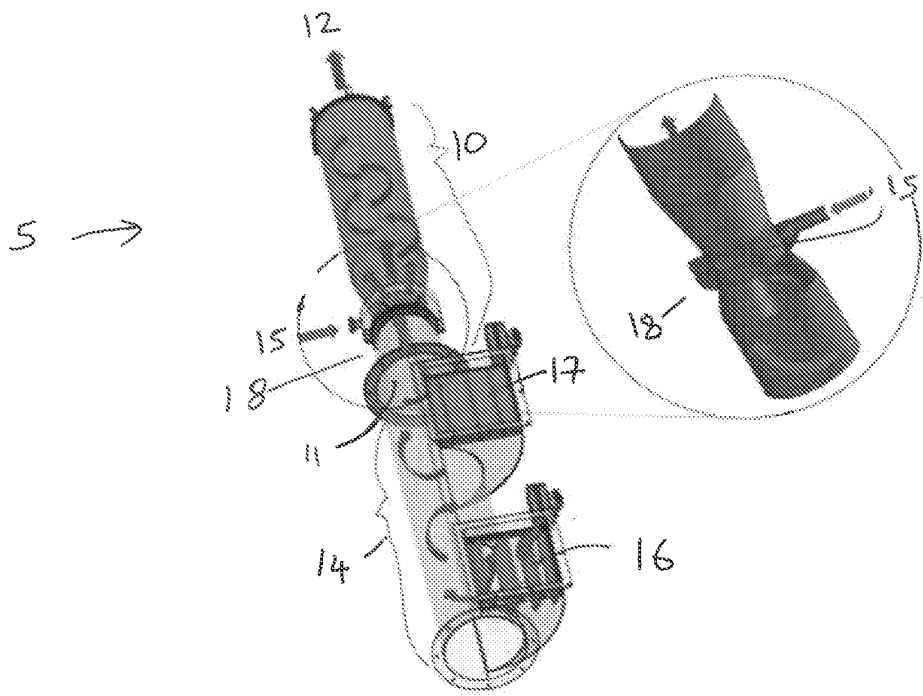


Figure 1

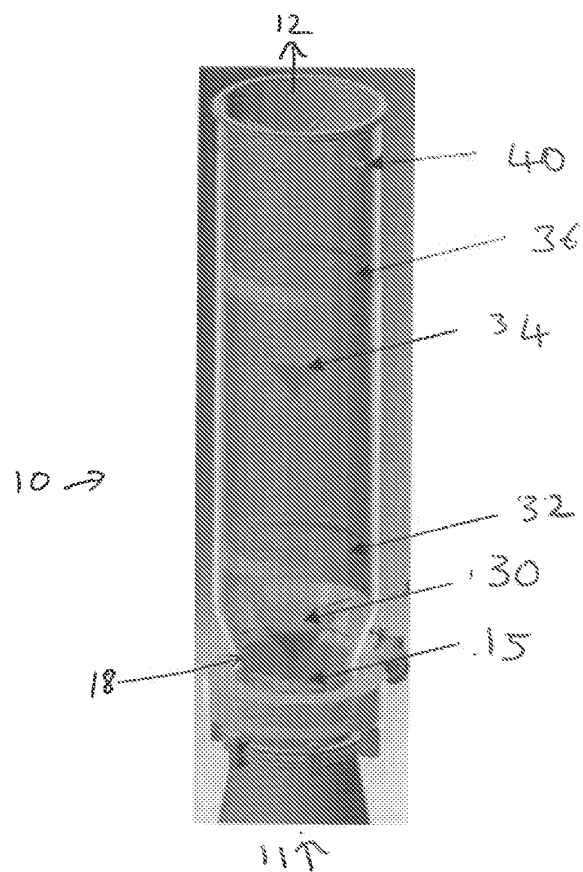


Figure 2

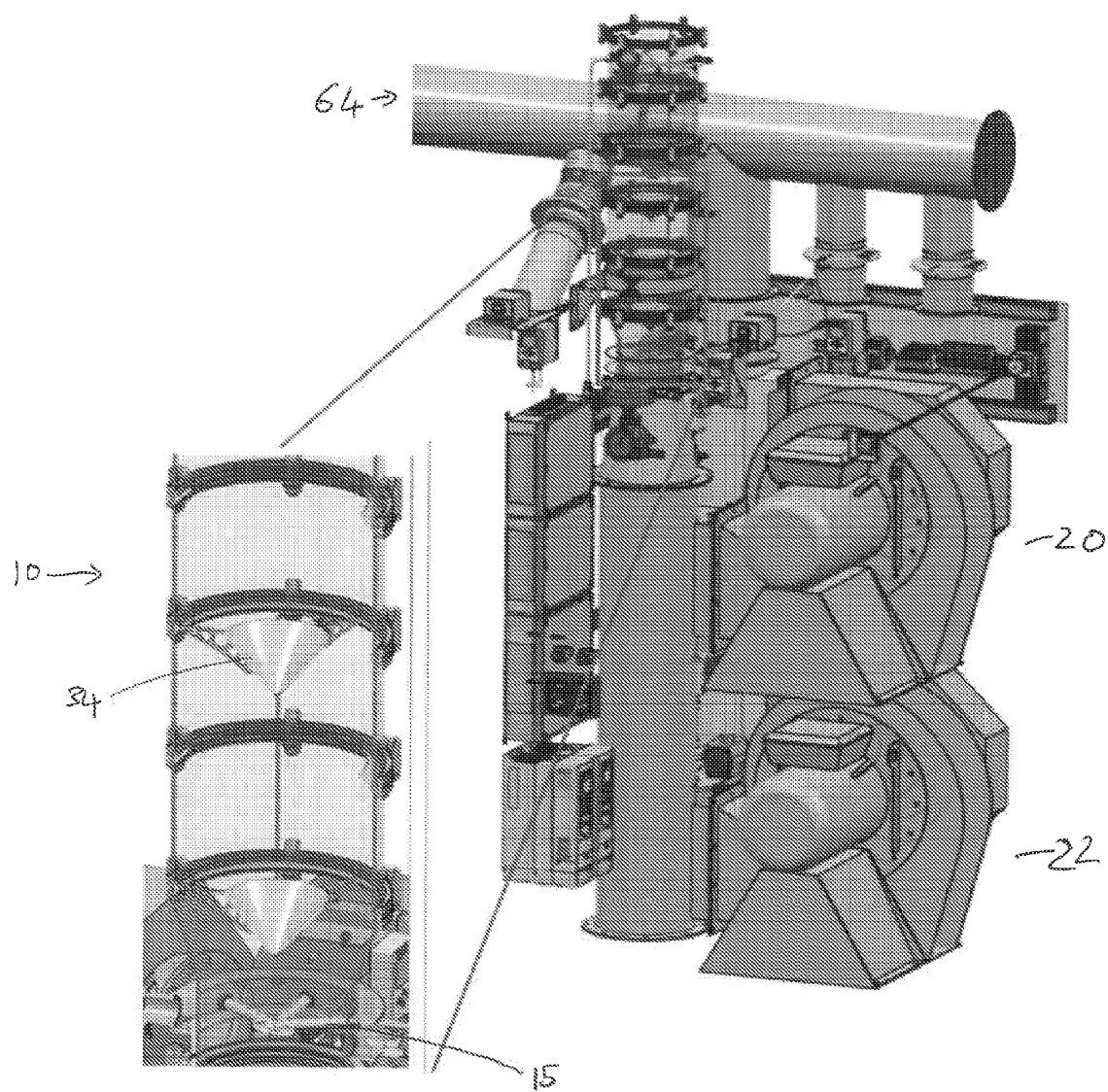
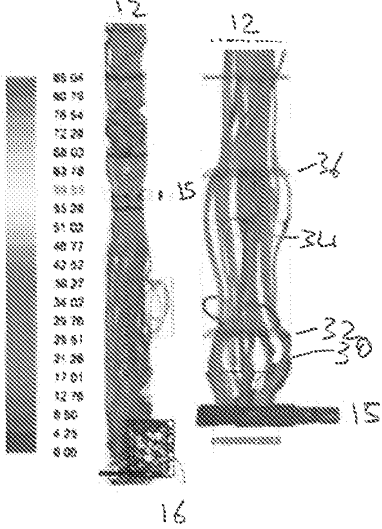


Figure 3

Results

Path lines plots

Path lines colored by velocity magnitude, m/s



Path lines colored by Molar fraction

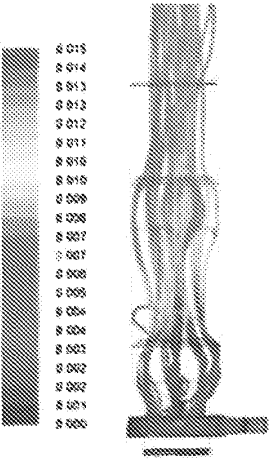


Figure 4

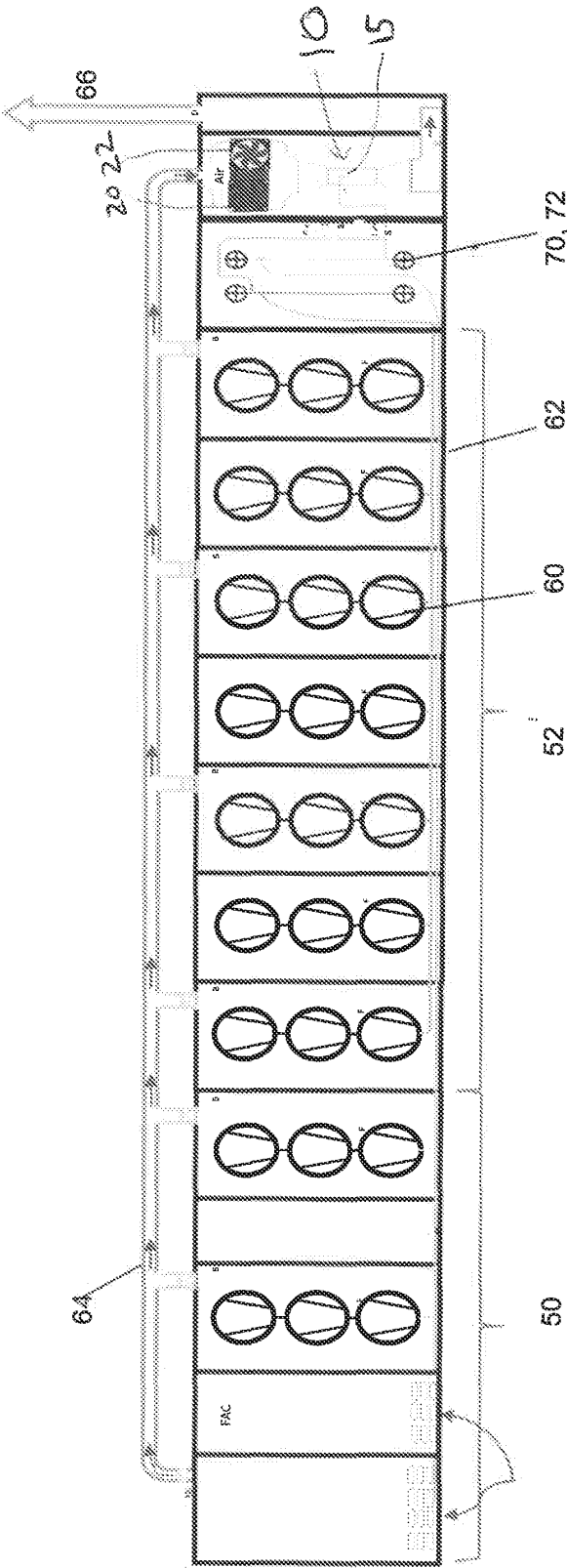


Figure 5

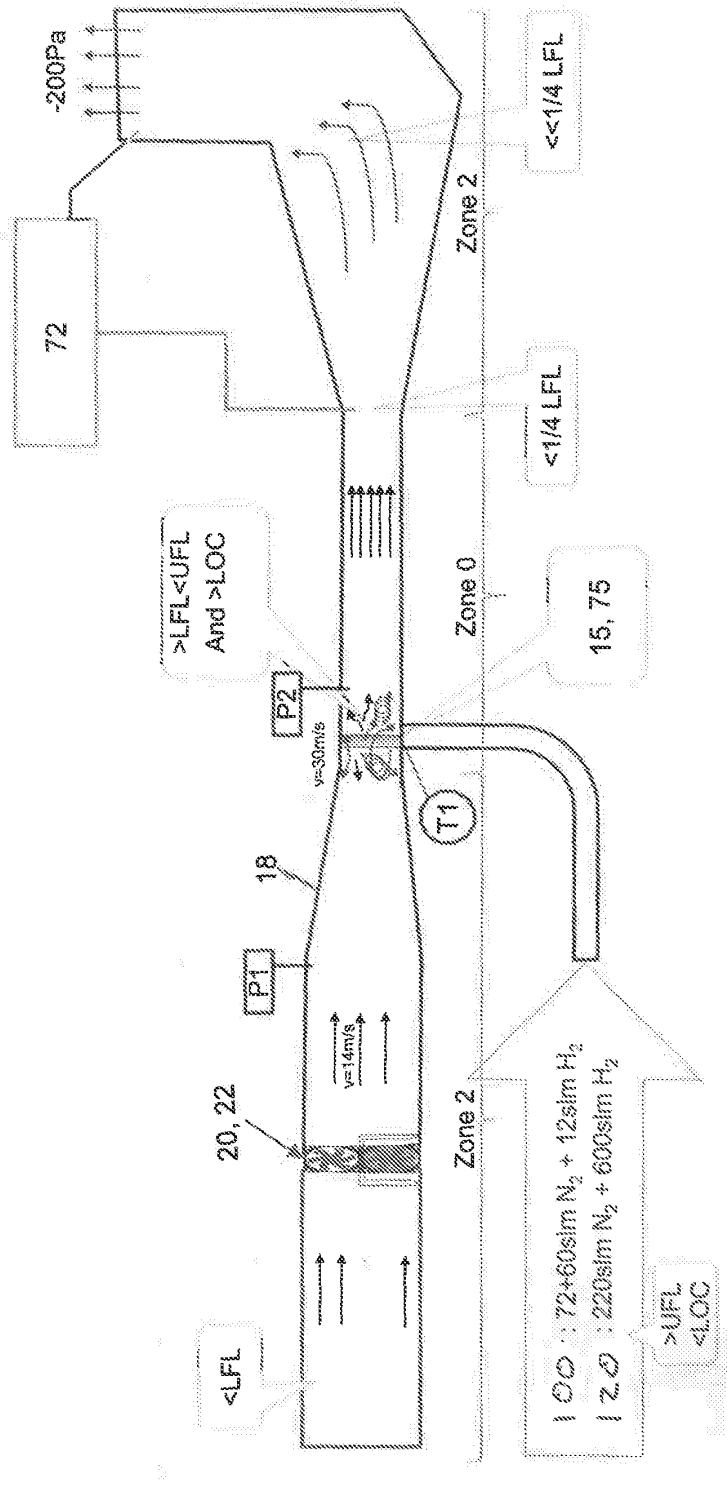


Figure 6