

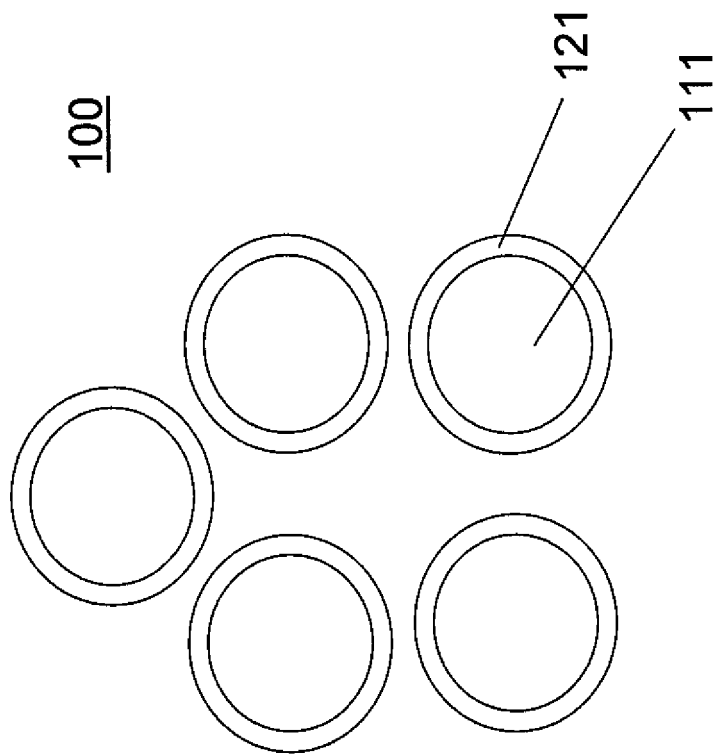


Figure 1

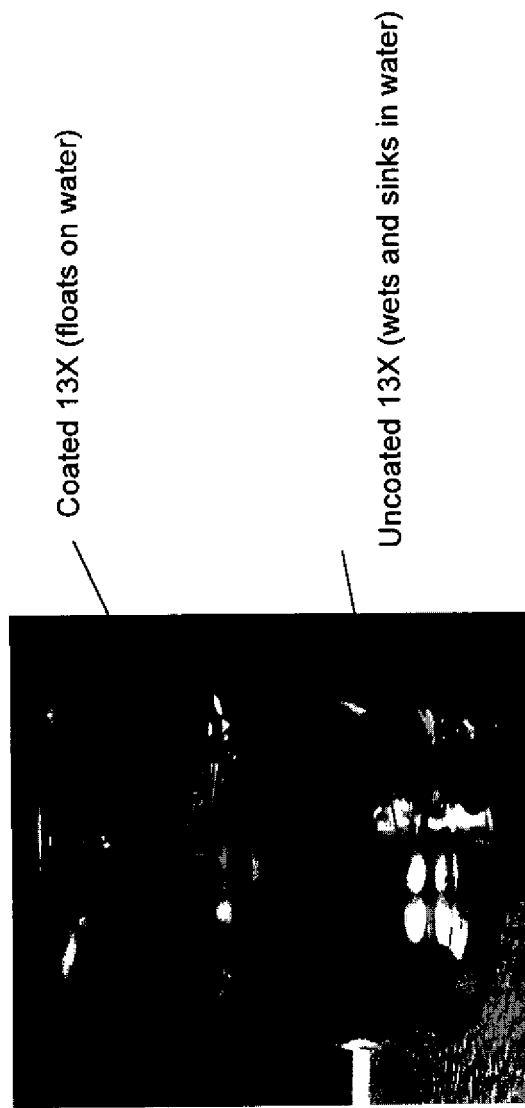
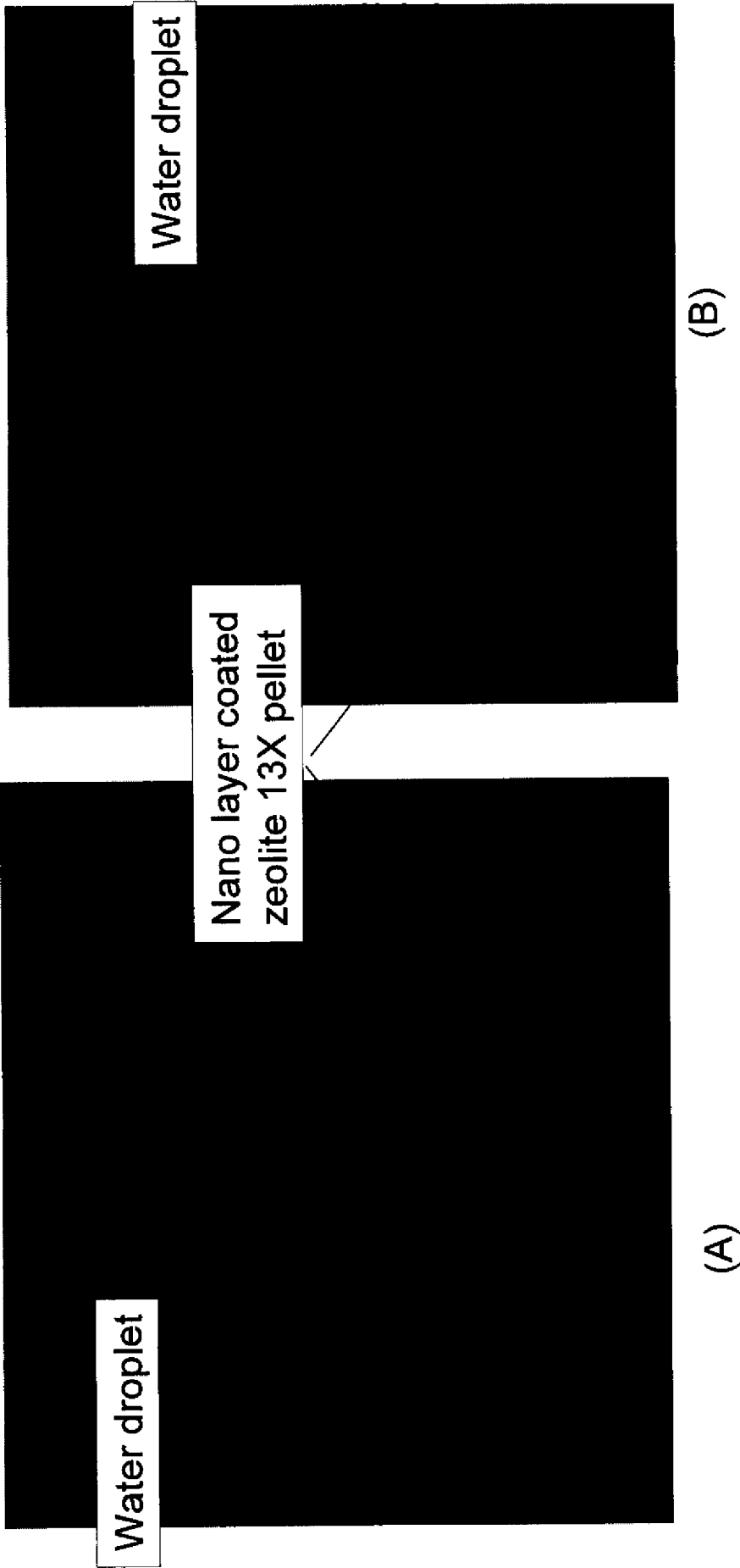
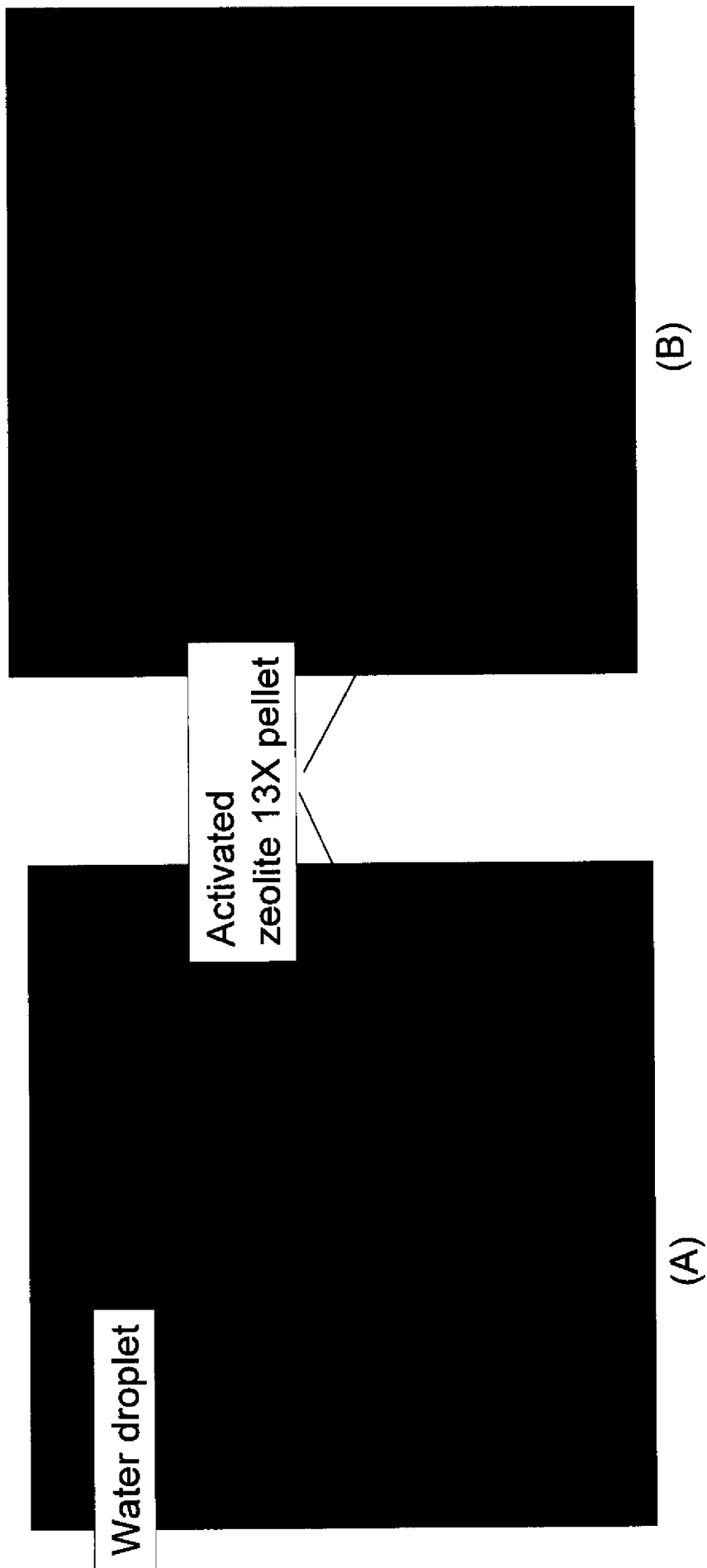


Figure 2



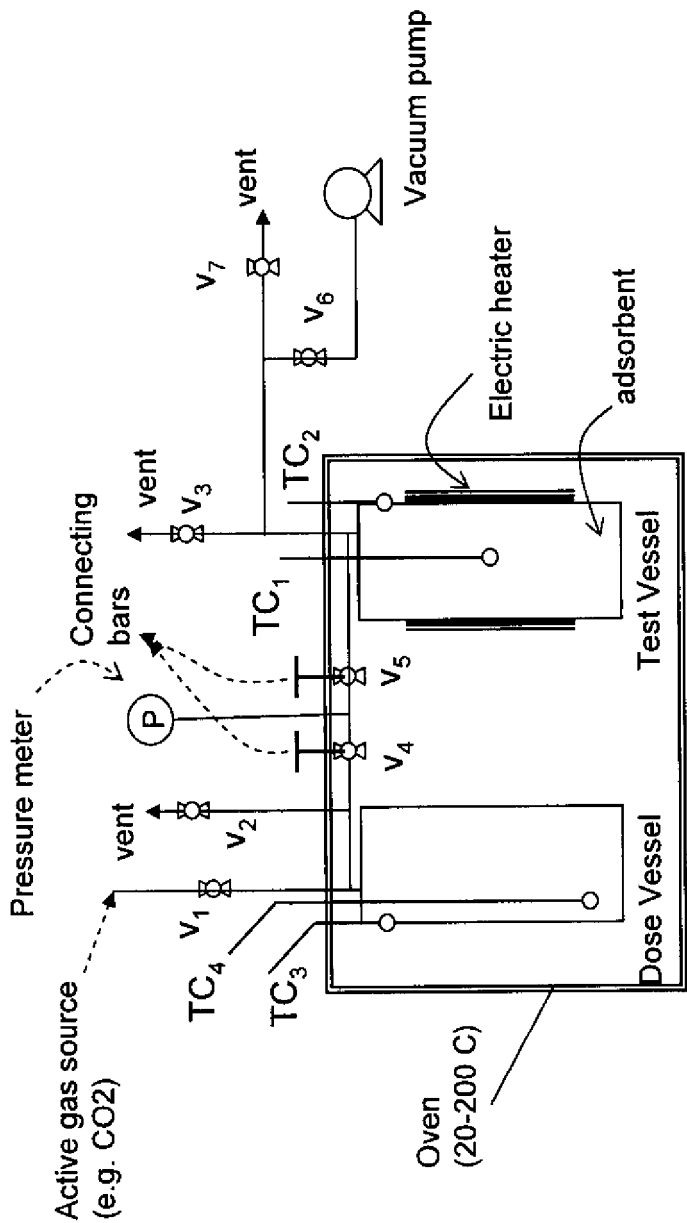
Droplet before (A) and after (B) in contact with a nano layer coated zeolite 13X pellet

Figure 3



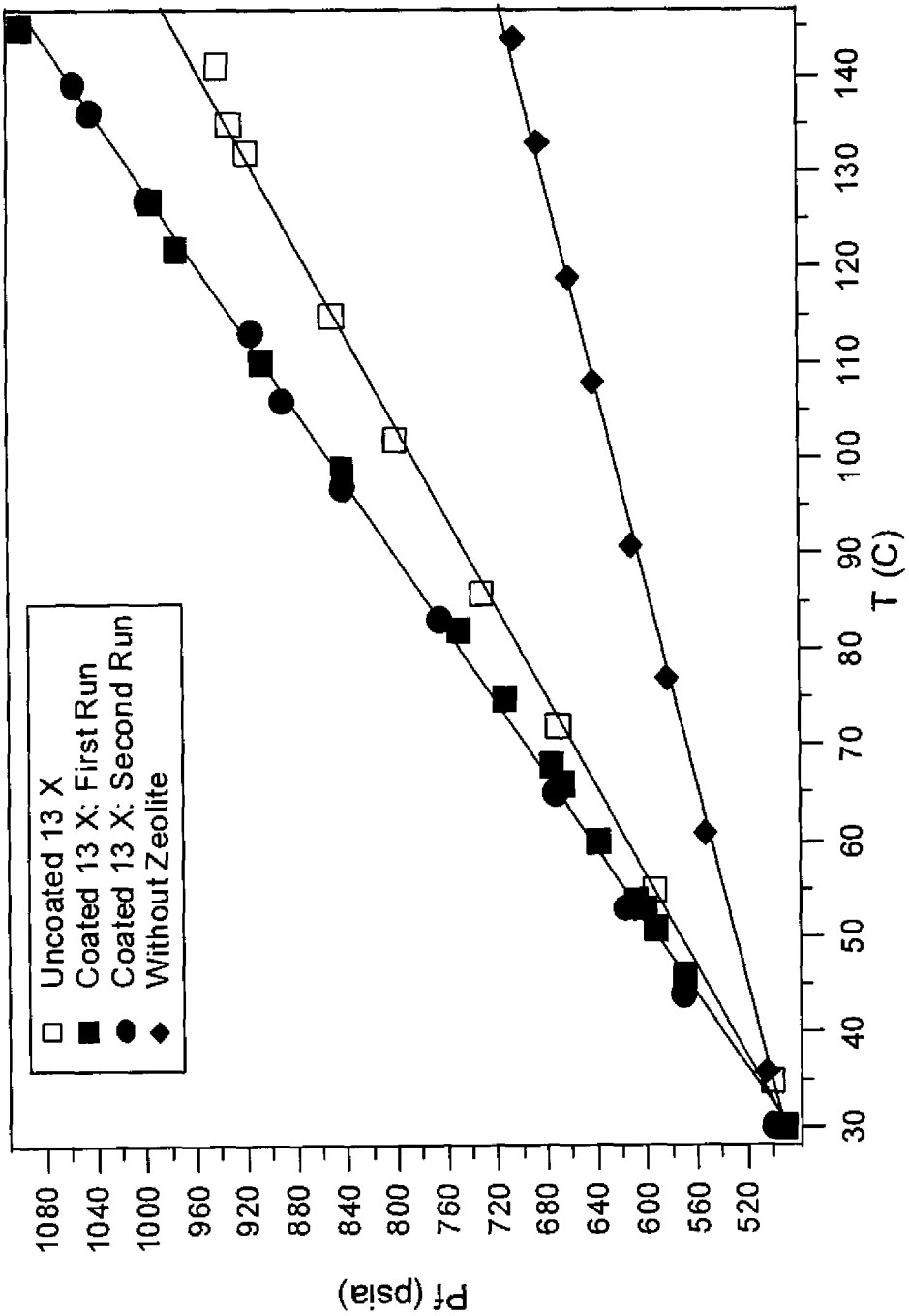
Droplet before (A) and after (B) in contact with an activated zeolite 13X pellet
Water droplets completely wetted and adsorbed onto the pellet.

Figure 4



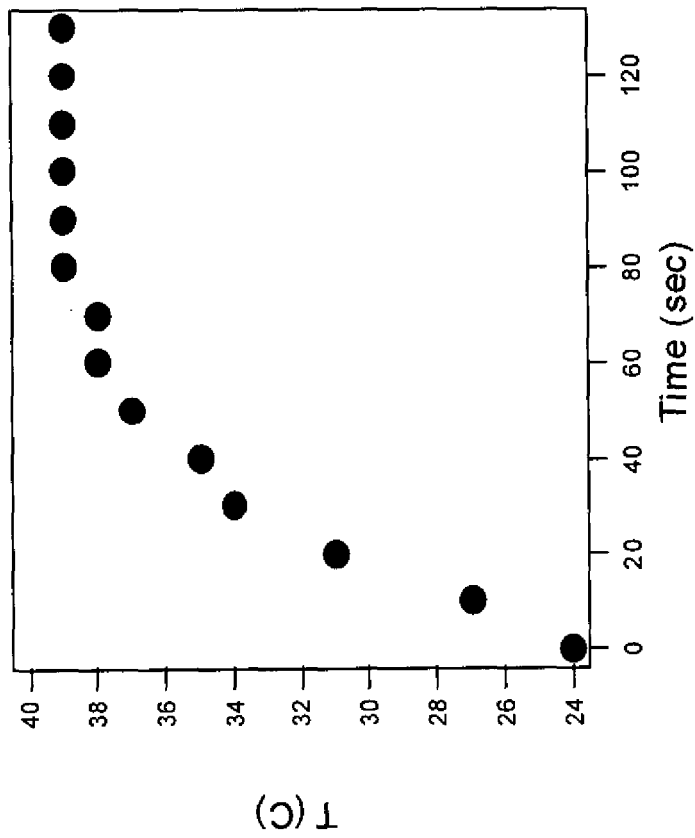
Adsorption/desorption apparatus

Figure 5



The increase in CO2 pressure with temperature of the test vessel

Figure 6



The increase in temperature of the test vessel after introducing CO₂ to the Nano layer coated zeolite pellets.

Figure 7