ABSTRACT

A DEVICE FOR TRANSPORTING PARTICLES, HOLDING A CONTAINER AND SENSING VARIATION IN PRESSURE

Active ingredients are involved in the manufacture of medicines. Systems in place for extracting the ingredients and transferring involve a suction system and a drum through which the user inserts his hands to manipulate the system components. There are difficulties in manipulating the system components and also in the user having to introduce his hands through the glove box. Described herein is a device for transporting particles, comprising two conduits - one for pumping inert gas and another for transporting particles, wherein a negative pressure at a lower end of the second conduit sucks the particles. Also described is a device for holding a particle container, comprising a sealing and a holding structure, the former for accommodating the container and the latter for holding the particle transportation device. Also described is a device for sensing pressure variation, comprising a flexible membrane which is displaced by increase in fluid pressure to actuate an actuator.

FIG 1