

ABSTRACT

A METHOD AND APPARATUS FOR SPLITTING FLUID FLOW IN A MEMBRANELESS PARTICLE SEPARATION SYSTEM

A method and system for splitting fluid flow in an outlet of a particle separation device is provided. The system may include static or passive mechanisms or subsystems. These mechanisms could also be modular and interchangeable to provide for preset fluid split divisions of 20:80, 30:70, 40:60, 50:50, ... etc. In other forms of the presently described embodiments, the system is adjustable and variable. In still another form of the presently described embodiments, the system allows for differential pressure control at the outlets to facilitate the flow of varying size particles or particle bands in the respective channels or paths.

Figure 2.