

ABSTRACT OF THE DISCLOSURE

Filters comprising a filter arm comprising a plurality of hollow elements in fluid communication with each other, the hollow elements having porous walls, the filter arm having a first and a second end; a hollow transition element comprising a collector having a side wall, a central cavity, an upper closed end and a lower open end; and a hollow transition element arm having a first and a second transition arm end, and a porous side wall; wherein the first transition arm end is in fluid communication with the second end of the filter arm; and the second transition arm is connected to the side wall of the collector, and is in fluid communication with the central cavity of the collector; and, a hollow base having a side wall, and a base outlet port, wherein the hollow base connected to, and in fluid communication with, the collector; filter devices including the filters, and methods of filtration using the filters, are disclosed.

(Figure 1A)