

ABSTRACT

SORTING PARTICLES

5 An apparatus for sorting particles (60, 62). The apparatus may include a
channel structure (52) that defines a channel (54) having an inlet (56) and first
and second outlets (64, 66). The apparatus also may include first and second
transport mechanisms (74, 76). The first transport mechanism (74) may be
configured to create a particle stream (58) of first particles (60) and one or more
10 second particles (62). Each particle may move along the channel (54) from the
inlet (56) toward the first outlet (64) and may be disposed in a fluid (53) supported
by the channel structure (52). The second transport mechanism (76) may be
configured to be pulse-activated to selectively move at least one of the second
particles (62) from the particle stream (58) and toward the second outlet (66).

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(Fig. 1)