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Tyvoll et al.

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(54) **SORTING PARTICLES IN PARALLEL**

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(76) **Inventors: David Tyvoll, La Jolla, CA (US);  
Winthrop D. Childers, San Diego, CA  
(US); Paul Crivelli, San Diego, CA  
(US)**

(57) **ABSTRACT**

**Correspondence Address:  
HEWLETT PACKARD COMPANY  
P O BOX 272400, 3404 E. HARMONY ROAD  
INTELLECTUAL PROPERTY  
ADMINISTRATION  
FORT COLLINS, CO 80527-2400 (US)**

A device for sorting particles in parallel. The device may include an input reservoir configured to hold a mixture of first particles and one or more second particles. The device also may include a transport mechanism configured to move portions of the mixture in parallel from the input reservoir. The device may further include a plurality of sorter units in fluid communication with the input reservoir. The plurality of sorter units may be configured to receive the portions of the mixture. In addition, each sorter unit may be configured to selectively move at least one second particle, if received in one of the portions, from a path followed by first particles received in the one portion so that the at least second particle follows a different path.

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