

wherein creating includes applying a pressure to the fluid to move portions of the mixture into different channels.

35. The method of claim 27, wherein selectively displacing transfers a fraction of the at least one stream from a first channel to a second channel.

36. The method of claim 27, which further comprises combining remaining portions of the streams after selectively displacing.

37. The method of claim 27, wherein selectively displacing includes actuating one of a heating element and a piezoelectric element.

38. The method of claim 27, wherein the at least one stream is disposed in a fluid and moves in a direction, and wherein selectively displacing includes applying a force to the fluid transverse to the direction.

39. A device for sorting particles, comprising:

means for creating a plurality of particle streams from a mixture of first particles and one or more second particles; and

means for selectively displacing a second particle from at least one of the plurality of streams.

40. A program storage device readable by a processor, tangibly embodying a program of instructions executable by the processor to perform methods steps for sorting particles in parallel, the method steps comprising:

creating a plurality of particle streams from a mixture of first particles and one or more second particles; and selectively displacing a second particle from at least one of the plurality of streams.

* * * * *