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(54) **SYSTEM AND METHOD FOR SORTING CELLS**

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(58) **Field of Classification Search**

CPC A01N 1/02; C12N 5/0612

See application file for complete search history.

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(57) **ABSTRACT**

Improved flow cytometer system particularly adapted to use for sex-selected sperm sorting include enhanced sheath fluid and other strategies which minimize stress on the sperm cells, including a 2.9 percent sodium citrate sheath solution for bovine species and a hepes bovine gamete media for equine species. Improved collection systems and techniques for the process are described so that commercial applications of sperms samples as well as the resulting animals may be achieved.

11 Claims, 4 Drawing Sheets