



(54) **APPARATUS FOR THE SEPARATION OF BIOLOGIC COMPONENTS FROM HETEROGENEOUS CELL POPULATIONS**

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(57) **ABSTRACT**

Apparatus for withdrawing whole blood from a donor, separating the whole blood to obtain a target cell population and returning a selected one of either the target cell population or at least a portion of the whole blood remainder to the donor or patient. A disposable separation inset for use in association with a rotatable separation device of the apparatus may also be provided. The disposable inset may include a chamber for receiving a cell suspension that includes the target cell, a receptacle for containing particles having a binding site for selectively binding to the target cell and a means for introducing the particles into the chamber.

**14 Claims, 2 Drawing Sheets**

