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**Miller et al.**

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(54) **MEDICAL PROCEDURES TRAYS AND RELATED METHODS**

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(58) **Field of Classification Search**

CPC ..... A61B 50/30; A61B 2050/3007; A61B 2050/3008; A61B 50/33

See application file for complete search history.

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(57) **ABSTRACT**

Medical procedure trays and related methods are provided to accommodate joining a first non-sterile medical device with a second sterile medical device and maintaining required sterilization of the second sterile medical device to perform an associated medical procedure. One example of such medical procedures includes biopsy of a bone and/or associated bone marrow using a non-sterile powered drive and a sterile biopsy needle or biopsy needle set. Medical procedure trays and related methods may also be provided for use during aspiration of bone marrow and/or stem cell transplant procedures. Each medical procedure tray may include a containment bag or sterile sleeve. A coupler assembly, one or more sharps protectors, a biopsy sample ejector and/or associated ejector funnel may also be included. Some medical procedure trays may allow engaging a non-sterile powered driver with one end of a coupler assembly and sealing the non-sterile powered driver in a sterile sleeve or containment bag without compromising sterility of other components in the medical procedure tray.

**12 Claims, 20 Drawing Sheets**

