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Hidem et al.

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(54) **INFUSION SYSTEM WITH RADIOISOTOPE DETECTOR**

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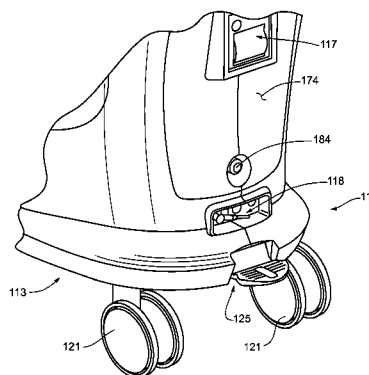
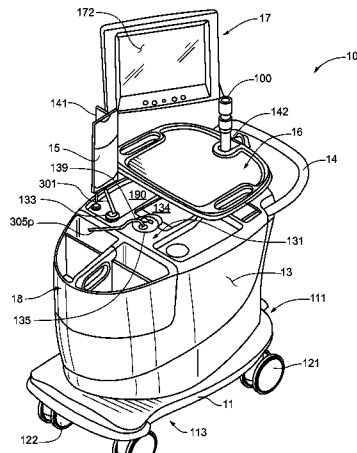
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(57) **ABSTRACT**

Methods for setting up, maintaining and operating a radiopharmaceutical infusion system, that includes a radioisotope generator, are facilitated by a computer of the system. The computer includes pre-programmed instructions and a computer interface, for interaction with a user of the system, for example, in order to track contained volumes of eluant and/or eluate, and/or to track time from completion of an elution performed by the system, and/or to calculate one or more system and/or injection parameters for quality control, and/or to perform purges of the system, and/or to facilitate diagnostic imaging.

22 Claims, 27 Drawing Sheets



Related U.S. Application Data

2009, which is a continuation of application No. 12/137,356, filed on Jun. 11, 2008, now Pat. No. 8,317,674, and a continuation of application No. 12/137,363, filed on Jun. 11, 2008, now Pat. No. 7,862,534, and a continuation of application No. 12/137,364, filed on Jun. 11, 2008, and a continuation of application No. 12/137,377, filed on Jun. 11, 2008, now Pat. No. 8,708,352.

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Fig. 1A

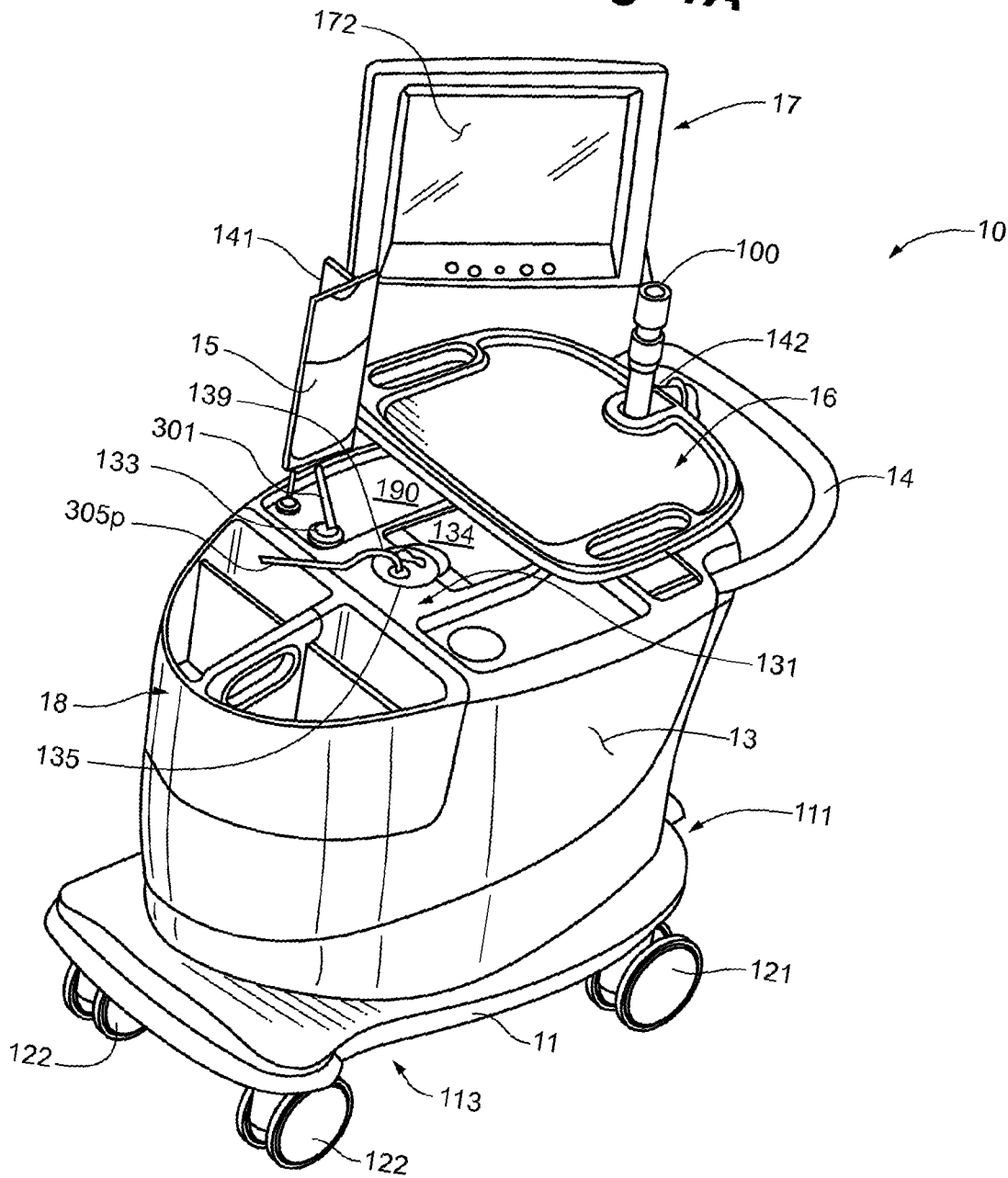
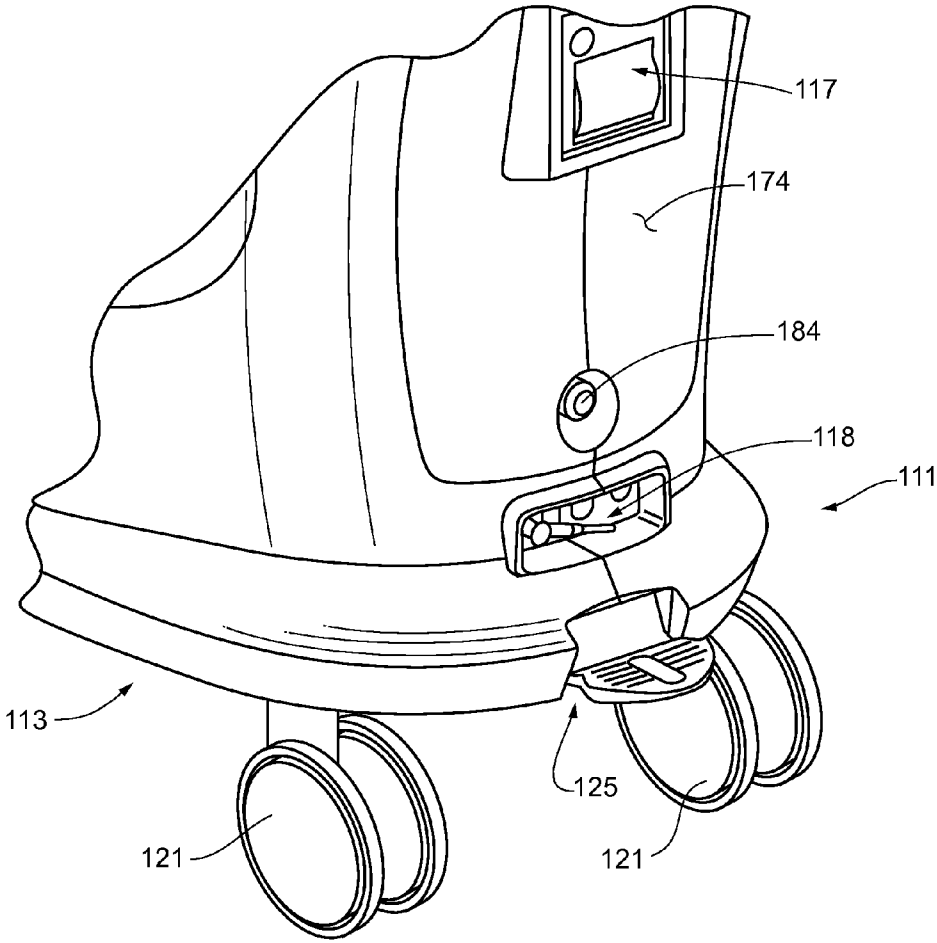


Fig. 1B



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