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FIG. 2

(57) Abstract: A purification system and method may include a container receiving portion, pump, and magnetic field generating element. The container receiving portion may be configured to receive and support a container containing a mixture. Magnetic beads may be added to the container for separating a target substance from a remainder of the mixture. The magnetic field generating element may be movable relative to the container receiving portion between a non-working position remote from the container receiving portion and a working position adjacent an outer periphery of the container receiving portion. In the working position, the magnetic field generating element may attract the magnetic beads and hold them firmly against an interior surface of the container. While the magnetic beads are immobilized by the magnetic field generating element, the pump may remove the mixture from the container, leaving behind the magnetic beads bound tightly but reversibly to the target substance.

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