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(54) Title: CENTRIFUGAL SEPARATORS AND SKID FOR SEPARATING BIOCOMPONENTS AND METHODS OF USE

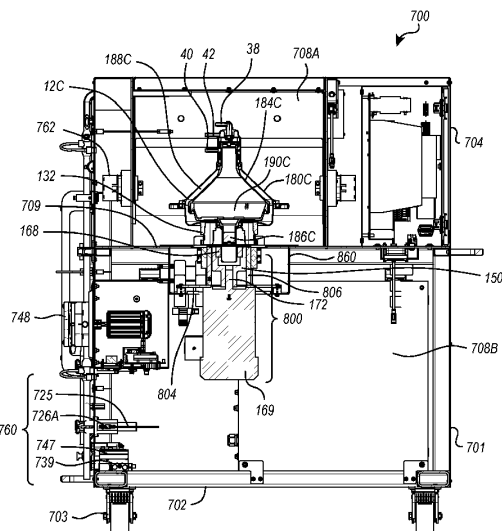


FIG. 48

(57) Abstract: A skid (700) for use in separating biocomponents includes a housing (701) bounding a compartment (708), the compartment being partially bounding by a mounting platform (709); and a loading assembly (800) secured to the housing so as to communicate with the compartment. The loading assembly (800) includes an alignment plate (808) having a top surface with cavity (814) recessed therein, the cavity communicating with the compartment; a drive rotor (15) rotatably disposed below the alignment plate and at least partially encircling the cavity, the drive rotor including one or more magnets; a motor (169) coupled to the drive rotor for selectively rotating the drive rotor about the cavity; and a mount at least partially encircling the drive rotor and communicating with the compartment, the mount including a mounting plate having one or more mounting elements upstanding therefrom, the mount being movable between a raised position wherein the mounting plate is aligned with the alignment plate and a second lowered position wherein the mounting plate is disposed at an elevation lower than the alignment plate.

[Continued on next page]

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