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(54) Title: CENTRIFUGE WITH REMOVABLE CORE FOR SCALABLE CENTRIFUGATION

(57) Abstract: The present invention relates to a centrifuge apparatus. The centrifuge apparatus is operable at certain predetermined parameters depending upon a product to be separated and is useable with a plurality of rotor assemblies. For example, a first rotor assembly of said plurality of rotor assemblies includes a first core having a first core configuration which is contained within a rotor housing of the first rotor assembly to define a first volume capacity such that the product passing through the first rotor assembly having the first volume capacity during rotation of the first rotor assembly in the centrifuge apparatus achieves a first particle separation of the product. A second rotor assembly of said plurality of rotor assemblies includes a second core having a second core configuration which is contained with a rotor housing of the second rotor assembly to define a second volume capacity of such that product passing through the second rotor assembly having the second volume capacity during rotation of the second rotor assembly in the centrifuge apparatus achieves a second particle separation of the product. It is observed that the second particle separation is a linear change with respect to the first particle separation.