CLAIMS:

1. A separator having a frame and a separator insert exchangeably arranged on the frame,
   a) wherein the separator insert is designed to separate a flowable suspension into at least two flowable phases of different density in a centrifugal field and forms a pre-assembled, exchangeable unit for insertion into stator units on the frame of the separator and comprises at least the following:
      i. a housing which is stationary in operation and is designed in the manner of a container which is closed except for one or more openings,
      ii. a rotor arranged inside the housing and rotatable about an axis of rotation, having a drum which has one or more openings,
      iii. preferably a separating means arranged in the drum,
      iv. at least two rotor units for magnetic bearing devices at two axially spaced locations of the rotor with the drum, by means of which the rotor with the drum can be held in suspension, is rotatably supportable and can be made to rotate within the housing in operation,
   b) wherein furthermore mutually spaced holders having stator units of the bearing devices are formed on the frame, between which holders the housing of the separator insert is non-rotatably retained such that the rotor remains rotatable with the drum,
   c) wherein the relative position of the holders having the stator units of the bearing devices can be changed such that the separator insert can be exchanged,
   d) wherein the housing and at least one of the holders have corresponding interlocking elements in order to non-rotatably retain the housing on the holder.

2. The separator according to claim 1, characterized in that the housing and the holders have corresponding interlocking elements to non-rotatably retain the housing on the holders.

3. The separator according to claim 1, characterized in that the housing and only holders have corresponding interlocking elements for retaining the housing non-rotatably on the respective holder.

4. The separator according to claim 1, characterized in that the housing and the holders have corresponding pins and recesses as corresponding interlocking elements to retain the housing non-rotatably on the holders.

5. The separator according to one of the preceding claims, characterized in that the relative distance between the two holders is adjustable.

6. The separator according to one of the preceding claims, characterized in that one of the two holders is arranged adjustably on the frame, in particular on the console, and in that the other holder is formed in a stationary manner on the frame, in particular on the console.

7. The separator according to one of the preceding claims, characterized in that both holders are adjustably arranged on the frame, in particular on the console.

8. The separator according to one of the preceding claims, characterized in that one or both holders is/are displaceably arranged on the frame, in particular on the console.

9. The separator according to one of the preceding claims, characterized in that one or more axially aligned hose(s) is/are guided on the separator insert through a passage opening of the respective axially associated holder.

10. The separator according to one of the preceding claims, characterized in that the frame comprises a control device.

11. A separator insert for separating a flowable suspension in a centrifugal field into at least two flowable phases of different density, forming a pre-assembled, exchangeable unit for insertion into stator units on a frame of a separator and comprising at least the following:
    i. a housing which is stationary in operation and is designed in the manner of a container which is closed except for one or more openings,
    ii. a rotor which is arranged inside the housing, is rotatable about an axis of rotation, and comprises a drum which has one or more openings,
    iii. a separating means arranged to the drum,

iv. at least two rotor units for magnetic bearing devices at two axially spaced locations of the rotor having the drum, by means of which the rotor having the drum can be held in suspension, is rotatably supportable and can be made to rotate within the housing during operation, wherein the housing has interlocking elements for non-rotatably retaining the housing on an abutment such as a frame.

12. A method for exchanging a first separator insert of the separator according to one of claims 1 to 8 for a second separator insert, comprising the following steps:
a) providing the separator with the first separator insert mounted on the frame,
b) changing the relative position of the holders and releasing the interlock between the frame and separator insert and removing the first separator insert from the holders;
c) providing the second separator insert;
d) inserting the second separator insert into the one of the holders so that the corresponding interlocking elements at one end of the housing and at one of the holders engage with each other; and
e) renewed changing of the relative position of the holders until the corresponding interlocking elements at both ends of the housing non-rotatably engage into each other at the two holders.

13. The method according to claim 12, characterized in that, when the separator insert is inserted, one or more axially outgoing hoses on the separator insert are guided through a passage opening of the respective axially associated holder.

14. A method for operating the separator according to one of claims 1 to 10, characterized in that, during operation of the separator, a leakage line is provided from the separator, in particular via a separate leakage outlet of the separator insert.

15. Use of a container in the separator according to one of claims 1 to 10, wherein the container is exchangeably arranged at a leakage outlet of the separator insert.