

Title (en)

TRANSPORT AND STORAGE CONTAINER FOR LIQUIDS WITH A STIRRING ROD ASSEMBLY

Title (de)

TRANSPORT- UND LAGERBEHÄLTER FÜR FLÜSSIGKEITEN MIT EINER RÜHRSTABANORDNUNG

Title (fr)

RÉCIPIENT DE TRANSPORT ET DE STOCKAGE DE LIQUIDES ÉQUIPÉ D'UN AGENCEMENT DE BARRES D'AGITATION

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Application

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Abstract (en)

[origin: CA2977717A1] The invention relates to a stirring rod assembly (29) for connection to an agitator that can be combined with a container (20) for receiving liquids, wherein the container comprises in an upper base wall (26) a filling opening, which can be closed with a lid (28), for filling the container, wherein the stirring rod assembly has a rod-shaped stirring element carrier (30) which is designed as a hollow shaft for receiving a stirrer shaft, and stirring elements (32) which are pivotably connected to the stirring element carrier, such that, in an assembly configuration, the stirring elements are pivoted with a free end of a stirring element relative to a rotational axis of the stirring element carrier. According to the invention, a spring device is arranged between the stirring elements and the stirring element carrier in such a way that, in an operating configuration, the stirring elements are subjected to centrifugal force as a result of a rotation of the stirring element carrier and assume a pivoting position, which is dependent on the rotational speed of the stirring element carrier, with a stirring angle α with respect to the axis of rotation, wherein the free ends of the stirring element are arranged at a stirring distance r from the axis of rotation and wherein the spring force, which increases with an increasing stirring angle, counteracts the centrifugal force.

IPC 8 full level

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