

Title (en)

MIXING DEVICE FOR PROVIDING A READY-TO-USE COMPOUND, AND WORKING METHOD FOR SAME

Title (de)

MISCHGERÄT ZUM VORBEREITEN EINER EINSATZFÄHIGEN MASSE SOWIE ARBEITSVERFAHREN DAMIT

Title (fr)

APPAREIL MÉLANGEUR DESTINÉ À PRÉPARER UNE MASSE UTILISABLE ET PROCÉDÉ DE TRAVAIL AVEC CE DERNIER

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Application

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Abstract (en)

[origin: WO2020038526A1] The invention relates to a mixing device for providing a ready-to-use compound consisting of at least one component (B or H), which is to be mixed prior to use, in a cartridge (5), comprising a tubular mixing rod (6). The cartridge (5) has a storage and mixing chamber (51) with a compensating piston (52) for at least one of the components (B or H) of the compound, and the tubular mixing rod (6) engages into the storage and mixing chamber (51) at a bottleneck-shaped section (53) of the cartridge (5) in a rotatable and laterally movable manner. The end of the tubular mixing rod (6) in the storage and mixing chamber (51) has a mixing head (61), and the outer end of the tubular mixing rod (6) has a plate-shaped coupling element (62). The mixing device also comprises a cartridge receiving area (1) for inserting the cartridge (5) to be provided, a counter-pressure cylinder (13) which is paired with the cartridge receiving area (1) for applying pressure to the compensating piston (52) of the cartridge (5), a mixing stroke cylinder (16) for laterally moving the cartridge receiving area (1), a stationary mounting (2) for the coupling element (62) of the mixing rod (6), said coupling element receiving the mixing rod (6) in a rotatable but longitudinally fixed manner, and a drive means (4) for generating a rotational movement of the mixing rod (6) relative to the cartridge (5) about a longitudinal axis, wherein the mounting (2) for the coupling element (62) of the mixing rod (6) has at least two, preferably three, clamping arms (21) which are designed to surround the plate-shaped coupling element (62) in order to allow a transmission of a torque to the mixing rod (6). The invention additionally relates to a working method for such a mixing device.

IPC 8 full level

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