

Title (en)

METHOD FOR PROVIDING ONE OR MORE FUNCTIONAL SURFACES FOR FASTENING BEARING AND/OR DRIVE UNITS ON A SUPPORT STRUCTURE IN AN EXACT POSITION

Title (de)

VERFAHREN ZUM LAGE- UND/ODER POSITIONSGENAUE ANBRINGEN EINER ODER MEHRERER FUNKTIONSFLÄCHEN FÜR DIE BEFESTIGUNG VON LAGERUNGS- UND/ODER -ANTRIEBSEINHEITEN AN EINER TRAGSTRUKTUR, INSBESONDERE AN EINEM MISCHTROG

Title (fr)

PROCEDE PERMETTANT LA MISE EN PLACE ET/OU LE POSITIONNEMENT PRECIS D'UNE OU DE PLUSIEURS SURFACES FONCTIONNELLES PERMETTANT LA FIXATION D'UNITES D'APPUI ET/OU D'ENTRAINEMENT CONTRE UNE STRUCTURE PORTEUSE

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Application

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Priority

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Abstract (en)

[origin: WO02078829A1] The invention relates to a twin-shaft positive mixer that is provided with bearing units (5b) and mechanically synchronized planetary gears (5a) for bearing and driving the mixer shafts (9). The housings of the bearing units (5b) and the drives (5a) are provided with respective fastening flanges by means of which they are disposed on respective functional surfaces (4a, 4b) that are provided by fastening bridges (2) disposed on the fronts of the mixer (1). Projections (6) are formed by sheet metal ribs (3) disposed on the fronts (11) of the mixer trough (8) and extend through the fastening bridges (2). In the area of these penetrations the fastening bridges are welded together with the projections (6) of the sheet metal ribs (3). The inventive method allows production of the fastening bridges (2) separately from the rest of the mixer trough (8) and already with finished functional surfaces (4a, 4b). It makes it furthermore possible to dispose the fastening bridges on the fronts (11) of the mixer trough blank while penetrating the projections (6), to align them and weld them in the area of the penetrations with the sheet metal ribs (3). It is therefore not necessary to post-treat the mixer trough (8) on a machine tool to provide the functional surfaces (4a, 4b) in the exact position, thereby substantially reducing the time and costs required for producing a twin-shaft positive mixer (1).

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