

Title (en)

MIXER HAVING A CLOSING COVER

Title (de)

MISCHER MIT VERSCHLUSSDECKEL

Title (fr)

MÉLANGEUR COMPORTANT UN COUVERCLE DE FERMETURE

Publication

EP 3946703 C0 20231206 (DE)

Application

EP 20717573 A 20200327

Priority

- DE 102019108869 A 20190404
- EP 2020058738 W 20200327

Abstract (en)

[origin: WO2020201102A1] The present invention relates to a mixer, comprising a mixing container, which is retained in a machine stand (2), an outlet opening (5) arranged in the bottom of the mixing container (1) being provided, and a closing cover (3) being provided, which can be moved back and forth between a closed position, in which the closing cover (3) closes the outlet opening (5), and an open position, in which the closing cover (3) does not close the outlet opening (5). According to the invention, in order to provide a mixer, the emptying opening (5) of which can be easily opened and closed and in the case of which the risk of soiling of the drive of the closing cover (3) is considerably lower, the closing cover (3) is connected to the machine stand (2) by means of a four-bar linkage having four rotary joints, a first and a second rotary joint (10, 11) of the four-bar linkage being arranged on the closing cover (3) and a third and a fourth rotary joint (8, 9) of the four-bar linkage being arranged on the machine stand (2).

IPC 8 full level

B01F 29/80 (2022.01); **B01F 35/45** (2022.01)

CPC (source: EP KR US)

B01F 29/80 (2022.01 - EP KR US); **B01F 35/45** (2022.01 - US); **B01F 35/451** (2022.01 - EP KR); **B01F 35/452** (2022.01 - KR); **B01F 35/751** (2022.01 - KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

WO 2020201102 A1 20201008; AU 2020250833 A1 20210916; BR 112021016380 A2 20211019; CA 3130624 A1 20201008; CN 113646071 A 20211112; CN 113646071 B 20230718; DE 102019108869 A1 20201008; EP 3946703 A1 20220209; EP 3946703 B1 20231206; EP 3946703 C0 20231206; ES 2970534 T3 20240529; JP 2022526391 A 20220524; KR 20210148298 A 20211207; PL 3946703 T3 20240408; US 2022161209 A1 20220526; ZA 202106235 B 20230628

DOCDB simple family (application)

EP 2020058738 W 20200327; AU 2020250833 A 20200327; BR 112021016380 A 20200327; CA 3130624 A 20200327; CN 202080026762 A 20200327; DE 102019108869 A 20190404; EP 20717573 A 20200327; ES 20717573 T 20200327; JP 2021558733 A 20200327; KR 20217035951 A 20200327; PL 20717573 T 20200327; US 202017599617 A 20200327; ZA 202106235 A 20210827