

Title (en)

METERING AND MIXING INSTALLATION FOR TWO-COMPONENT LIQUID SYSTEMS

Title (de)

DOSIER- UND MISCHANLAGE FÜR FLÜSSIGE ZWEIKOMPONENTENSYSTEME

Title (fr)

INSTALLATION DE DOSAGE ET DE MELANGE POUR SYSTEMES LIQUIDES A DEUX COMPOSANTES

Publication

EP 1926550 B1 20090318 (DE)

Application

EP 05791883 A 20050921

Priority

EP 2005010215 W 20050921

Abstract (en)

[origin: WO2007033696A1] A description is given of an installation (10) for the precise metering and homogeneous mixing of two liquid mixing components which are each stored in a container (12, 14). Each container (12, 14) is assigned a pump (16, 18) in order to dispense a defined quantity of the mixing component. The installation (10) has two supply lines (20, 24), which have their first ends (22, 26) connected to the two pumps (16, 18) and have their second ends (28, 30), which are remote from the first, opening out into a mixing antechamber (32) of a mixer (34). The pumps (16, 18) ensure a constant volume flow of the two mixing components over a wide viscosity and pressure range of the mixing components and, as they enter into the mixing antechamber (32) of the mixer (34), the mixing components have the same supply pressures, disadvantageous pulsating volume flows of the mixing components thus being prevented by the homogeneity of the mixture of the two mixing components.

IPC 8 full level

B01F 15/04 (2006.01); **B01F 3/08** (2006.01)

CPC (source: EP)

B01F 23/471 (2022.01); **B01F 35/8311** (2022.01); **B01F 25/42** (2022.01); **B01F 2101/2305** (2022.01)

Cited by

CN105148758A; CN108993183A

Designated contracting state (EPC)

DE IT TR

DOCDB simple family (publication)

WO 2007033696 A1 20070329; DE 502005006911 D1 20090430; EP 1926550 A1 20080604; EP 1926550 B1 20090318

DOCDB simple family (application)

EP 2005010215 W 20050921; DE 502005006911 T 20050921; EP 05791883 A 20050921