

Title (en)

DEVICE FOR MIXING A FIRST COMPONENT WITH A SECOND COMPONENT AND METHOD OF MIXING A FIRST COMPONENT WITH A SECOND COMPONENT

Title (de)

VORRICHTUNG ZUM MISCHEN EINER ERSTEN KOMPONENTE MIT EINER ZWEITEN KOMPONENTE UND VERFAHREN ZUM MISCHEN EINER ERSTEN KOMPONENTE MIT EINER ZWEITEN KOMPONENTE

Title (fr)

DISPOSITIF DE MÉLANGE D'UN PREMIER COMPOSANT AVEC UN SECOND COMPOSANT ET PROCÉDÉ DE MÉLANGE D'UN PREMIER COMPOSANT AVEC UN SECOND COMPOSANT

Publication

EP 4238638 A1 20230906 (EN)

Application

EP 22160149 A 20220304

Priority

EP 22160149 A 20220304

Abstract (en)

The invention is directed at a device 10 for mixing a first component 15 with a second component 19, comprising: a housing 12 forming a first chamber 14 for the first component, a second chamber 18 for the second component, a separation element 20 for separating the first chamber and the second chamber, and an activation element 22 for creating a breakthrough through the separation element, wherein the activation element is integrally formed with the housing and wherein a predetermined breaking area 24 is formed in the housing to create an outlet for withdrawing a mixture of the first component and the second component. The invention is also directed at a method of mixing a first component 15 with a second component 19, comprising: providing a device 10 with a housing 12 forming a first chamber 14 for the first component, a second chamber 18 for the second component, a separation element 20 for separating the first chamber and the second chamber, and an activation element 22 integrally formed with the housing for creating a breakthrough through the separation element, wherein a predetermined breaking area 24 is formed in the housing, further comprising creating a breakthrough through the separation element so that the first component and the second component mix, creating an outlet for withdrawing a mixture of the first component and the second component by breaking the housing at the predetermined breaking area.

IPC 8 full level

B01F 35/71 (2022.01); **B65D 51/28** (2006.01); **B65D 81/32** (2006.01); **B01F 101/19** (2022.01)

CPC (source: EP)

B01F 35/7137 (2022.01); **B01F 35/7161** (2022.01); **B65D 81/3211** (2013.01); **B01F 2101/19** (2022.01)

Citation (search report)

- [XAI] US 6065641 A 20000523 - LAGUNA VALDERRAMA JOSEM [ES]
- [XAI] DE 102004013270 A1 20050929 - SCHUMACHER ROBERT [DE], et al
- [XI] US 2013336085 A1 20131219 - DRAKE MICHAEL [US], et al
- [A] US 2014098629 A1 20140410 - GRETER ANDY [CH]
- [A] US 5624184 A 19970429 - CHAN KWAN-HO [US]

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4238638 A1 20230906

DOCDB simple family (application)

EP 22160149 A 20220304