

Title (en)  
Mixing device for two-component cartridges

Title (de)  
Mischvorrichtung für Zweikomponentenkartuschen

Title (fr)  
Dispositif de mélange pour cartouches bicomposants

Publication  
**EP 2764909 A3 20170712 (DE)**

Application  
**EP 14154402 A 20140208**

Priority  
DE 102013002290 A 20130208

Abstract (en)  
[origin: EP2764909A2] The device has inner and outer supply channels (3, 5) for respective components, where the outer channel coaxially encloses the inner channel. The inner channel ends into a mixing zone (6) over an outlet with an outlet opening (7). The mixing zone is designed as an annular chamber, and the outlet opening is aligned parallel to an axis (4) of the supply channels. A mixing tube is provided with a mixing zone, and mixing elements (9) are arranged in an area of the mixing zone of the mixing tube, where the outlet opening is formed in an inner wall of the annular chamber.

IPC 8 full level  
**B01F 5/00** (2006.01); **B01F 5/06** (2006.01); **B01F 13/00** (2006.01)

CPC (source: EP)  
**B01F 25/12** (2022.01); **B01F 25/43141** (2022.01); **B01F 33/50112** (2022.01); **B01F 2101/2305** (2022.01)

Citation (search report)

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- [I] WO 2011134059 A1 20111103 - INTEGRA ADHESIVES INC [CA], et al
- [XI] EP 2218518 A2 20100818 - SULZER MIXPAC AG [CH]
- [I] EP 2269536 A2 20110105 - HERAEUS KULZER GMBH [DE]

Cited by  
US10293312B2; EP3862074A1; WO2018029316A1

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

DOCDB simple family (publication)  
**EP 2764909 A2 20140813; EP 2764909 A3 20170712**; DE 102013002290 A1 20140828

DOCDB simple family (application)  
**EP 14154402 A 20140208**; DE 102013002290 A 20130208