

Title (en)  
STATIC MIXER

Title (de)  
STATISCHER MISCHER

Title (fr)  
MÉLANGEUR STATIQUE

Publication  
**EP 4371657 A1 20240522 (EN)**

Application  
**EP 22208228 A 20221118**

Priority  
EP 22208228 A 20221118

Abstract (en)  
The invention relates to a static mixer for mixing at least two components with one another comprising a plurality of mixing elements (9) with each mixing element configured to divide each component to be mixed in at least two, preferably more than two, strands of material and further configured to merge said strands of material in layers, with said plurality mixing elements being arranged along a longitudinal axis (2) of the mixer (8) behind one another, wherein the mixer further comprises a central bar (21) being arranged parallel to said longitudinal axis, with the plurality of mixing elements being arranged at an outer surface of the bar such that the mixing elements surround the central bar, wherein the central bar extends along at least 60% of a total longitudinal length of the mixer.

IPC 8 full level  
**B01F 25/432** (2022.01)

CPC (source: EP)  
**B01F 25/4321** (2022.01)

Citation (applicant)  
• EP 0749776 A1 19961227 - SULZER CHEMTECH AG [CH]  
• EP 0815929 A1 19980107 - SULZER CHEMTECH AG [CH]  
• EP 1125626 A1 20010822 - SULZER CHEMTECH AG [CH]

Citation (search report)  
• [X1] EP 3733271 A1 20201104 - RITTER GMBH [DE]  
• [XA] EP 3299082 A1 20180328 - 3M INNOVATIVE PROPERTIES CO [US]

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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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)  
**DE 202023106686 U 20231114**; EP 22208228 A 20221118