

Title (en)
AN IMPROVED STATIC MIXING TIP

Title (de)
VERBESSERTE STATISCHE MISCHSPITZE

Title (fr)
BUSE DE MÉLANGE STATIQUE AMÉLIORÉE

Publication
EP 4000749 A1 20220525 (EN)

Application
EP 20206952 A 20201111

Priority
EP 20206952 A 20201111

Abstract (en)
A static mixing tip (10) is disclosed comprising: a static mixer (100), a housing (110), a head space (140), a sealing lip (20) on the base (30) of the static mixer (100), which provides a sealing between the base (30) and the housing (110), and a venting means (150) [e.g. vents (155)] on the sealing lip (20) and/ or the housing (110), which provides a gaseous connection between the head space (140) and the exterior ambient atmosphere outside the static mixing tip (10) so that gases trapped in the head space (140) may escape to the exterior ambient atmosphere during normal operation and use. The present invention also relates to a static mixer (100) suitable for the static mixing tip (10), the use of said static mixing tip (10), and a kit of parts comprising said static mixing tip (10).

IPC 8 full level
B05C 17/005 (2006.01)

CPC (source: EP)
B01F 25/432 (2022.01); **B01F 25/4321** (2022.01); **B05C 17/00553** (2013.01); **B01F 2035/351** (2022.01)

Citation (applicant)

- EP 0584428 B1 19960313 - KELLER WILHELM A [CH]
- EP 1426099 B1 20070912 - MIXPAC SYSTEMS AG [CH]
- EP 0749776 B1 20010124 - SULZER CHEMTECH AG [CH]
- EP 0815929 B1 20000830 - SULZER CHEMTECH AG [CH]
- EP 1896192 A1 20080312 - MEDMIX SYSTEMS AG [CH]
- US 5498078 A 19960312 - KELLER WILHELM A [CH]
- EP 1426099 A1 20040609 - MIXPAC SYSTEMS AG [CH]
- EP 0815929 A1 19980107 - SULZER CHEMTECH AG [CH]

Citation (search report)

- [XA] WO 2015179336 A1 20151126 - 3M INNOVATIVE PROPERTIES CO [US]
- [A] US 10335249 B2 20190702 - HIEMER ANDREAS [CH], et al
- [A] DE 202018106654 U1 20190206 - SULZER MIXPAC AG [CH]

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 4000749 A1 20220525

DOCDB simple family (application)
EP 20206952 A 20201111