

Title (en)

Mixing insert and method for pre-mixing two flowable components

Title (de)

Mischeinsatz und Verfahren zum Vormischen von zwei fließfähigen Komponenten

Title (fr)

Insert de mixage et méthode de pré-mixage de deux composants fluides

Publication

**EP 1731216 A1 20061213 (DE)**

Application

**EP 05023600 A 20051028**

Priority

DE 102005027029 A 20050611

Abstract (en)

An assembly mixes two semi-liquid components in a process to form e.g. a plastic. The assembly has a first component with an inlet that is concentric to a second component with a concentric inlet.

IPC 8 full level

**B01F 5/04** (2006.01)

CPC (source: EP)

**B01F 25/3131** (2022.01); **B01F 25/31324** (2022.01); **B01F 25/31331** (2022.01); **B01F 33/5011** (2022.01); **B01F 2101/2305** (2022.01); **B01F 2101/36** (2022.01)

Citation (applicant)

- DE 20202543 U1 20020418 - HEIDELBERGER BAUCHEMIE GMBH [DE]
- DE 19744746 A1 19990415 - HENKEL TEROSON GMBH [DE]
- DE 19730424 A1 19990121 - HENKEL TEROSON GMBH [DE]

Citation (search report)

- [X] US 4255125 A 19810310 - AUCLAIR MICHEL, et al
- [X] US 4382684 A 19830510 - HORI NOBUO [JP]
- [X] FR 692964 A 19301113 - TOUCHARD ET CIE L
- [X] FR 2550098 A1 19850208 - SIDERURGIE FSE INST RECH [FR]
- [XA] US 2002066489 A1 20020606 - KAMPE JUERGEN [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 181 (C - 499) 27 May 1988 (1988-05-27)

Cited by

EP3505231A1; US11440033B2; WO2012172078A1; WO2019129498A1

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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