

Title (en)
STATIC MIXER

Publication
EP 0163217 A3 19861217 (DE)

Application
EP 85106120 A 19850518

Priority
DE 3420290 A 19840530

Abstract (en)
[origin: US4632568A] An improved mixing column for mixing a plurality of liquid or paste-like components of a material has several tiers having at least two flow-division chambers which overlap each other at least partially, and where each of these superimposed flow-division chambers has a flow-division wall which divides the incoming fluid. A different passage opening of the tier is connected with each of the superimposed flow-division chambers. The flow-division chambers are connected to mixing chambers arranged on either side thereof. Successive tiers are oriented at 90 DEG with respect to each other and each successive tier is shifted an additional 90 DEG in the same direction of rotation such that the mixing chambers of a lower tier are in communication with the passage openings in the floor of the adjacent upper tier. In this way, improved mixing of the components is achieved with a more compact construction as well as simplified manufacture.

IPC 1-7
B01F 5/06

IPC 8 full level
B01F 5/06 (2006.01)

CPC (source: EP US)
B01F 25/432 (2022.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE CH FR GB IT LI NL SE

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