

Title (en)

Static mixing element with guiding faces.

Title (de)

Statisches Mischelement mit Leitflächen.

Title (fr)

Élément de mélange statique avec surfaces de guidage.

Publication

EP 0546989 B1 19951115 (DE)

Application

EP 92810882 A 19921113

Priority

CH 363291 A 19911210

Abstract (en)

[origin: EP0546989A1] The static mixing element in a flow duct (7) has at least two guide faces (10) on the duct wall. In the interior, the guide faces are wider than on the duct wall, and they enclose an angle W of from 10 DEG to 45 DEG with respect to the main flow direction Z. They may have various orientations, and the projection FZ of the guide faces in the main flow direction may be from 5% to 30% of the duct cross section F. Thus efficient mixing is achieved in an extremely simple manner. <IMAGE>

IPC 1-7

B01F 5/06

IPC 8 full level

B01F 5/06 (2006.01)

CPC (source: EP US)

B01F 25/4316 (2022.01 - EP US); **B01F 25/431971** (2022.01 - EP US)

Cited by

US7199242B2; EP0918146A1

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

EP 0546989 A1 19930616; EP 0546989 B1 19951115; DE 59204349 D1 19951221; US 5330267 A 19940719

DOCDB simple family (application)

EP 92810882 A 19921113; DE 59204349 T 19921113; US 98343492 A 19921202