

Title (en)  
MIXER

Title (de)  
MISCHER

Title (fr)  
MÉLANGEUR

Publication  
**EP 4045177 A1 20220824 (EN)**

Application  
**EP 20792649 A 20201016**

Priority  
• ES 201930927 A 20191018  
• EP 2020079210 W 20201016

Abstract (en)  
[origin: WO2021074377A1] Mixer, for different components of granulated or powdered materials using a carrier gas, comprising a plurality of modules (1,2,3), each with: a first cylindrical section (5) in which at least one tangential input (4) is defined; a narrowing section (6); And a final cylindrical section (7) with a smaller radius, connected to the tangential input (4) of the next module (1,2,3) or to the output of the mixer; and a blowing or a vacuum pump of the carrier gas. A mixer comprising a single module (1,2,3) including an insert (8) facing the tangential input (4).

CPC (source: EP ES)  
**B01F 23/30** (2022.01 - ES); **B01F 23/60** (2022.01 - EP); **B01F 25/103** (2022.01 - EP); **B01F 25/25** (2022.01 - EP); **B01F 25/4338** (2022.01 - EP); **B01F 33/811** (2022.01 - EP); **B01F 35/71745** (2022.01 - EP); **B01F 35/718** (2022.01 - EP); **B01F 25/60** (2022.01 - ES); **B01J 8/06** (2013.01 - ES); **B22F 1/00** (2013.01 - ES)

Citation (search report)  
See references of WO 2021074377A1

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)  
**WO 2021074377 A1 20210422**; EP 4045177 A1 20220824; ES 2820148 A1 20210419; ES 2820148 B2 20230728

DOCDB simple family (application)  
**EP 2020079210 W 20201016**; EP 20792649 A 20201016; ES 201930927 A 20191018