

Title (en)

Mixer and reactor

Title (de)

Mischer und Reaktor

Title (fr)

Mélangeur et réacteur

Publication

EP 1101525 B1 20030319 (DE)

Application

EP 00123793 A 20001102

Priority

CH 205999 A 19991110

Abstract (en)

[origin: EP1101525A1] A device for treating products has two parallel shafts arranged in a housing comprising two parallel cylinders. Rotating elements (64, 65) are supported over the periphery of the shafts. The shafts are sealed using a sliding ring seal and an end bearing is present that acts as a removal device. At least one of the rotating elements is provided with channel-like devices for introducing a thermal medium. The fixed bearing of the rotors are positioned in the housing of the sliding ring seal to increase the reliability of the seal. Preferred Features: A few of the rotating elements are segment plates which slant on its front surface parallel to the container wall in the axial direction.

IPC 1-7

B01F 7/04; F16J 15/34

IPC 8 full level

B01F 7/04 (2006.01); **B01F 7/08** (2006.01); **B01F 15/00** (2006.01)

CPC (source: EP)

B01F 27/702 (2022.01); **B01F 27/7221** (2022.01); **B01F 2035/351** (2022.01)

Cited by

DE102014224105A1; CN114870677A; US7083319B2; US7964059B2; EP2796189A1; EP2796190A1; WO03035235A1; US9839863B2; US10525378B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1101525 A1 20010523; **EP 1101525 B1 20030319**; AT E234669 T1 20030415; DE 50001483 D1 20030424; ES 2189718 T3 20030716

DOCDB simple family (application)

EP 00123793 A 20001102; AT 00123793 T 20001102; DE 50001483 T 20001102; ES 00123793 T 20001102