

Title (en)
MIXER WITH A PIN MILL

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Application
EP 86104366 A 19860329

Priority
DE 3515318 A 19850427

Abstract (en)
[origin: US4848919A] A pinned mill for a mixer having a mixing mechanism has a motor outside the mixer container and a rotor inside the container and spaced apart from its walls. The rotor is rotationally drivable by the motor and is at least partly surrounded at a tangent by a stator having pins arranged concentrically with the rotor axis, the rotor being arranged inside the pins. The rotor is provided with elements defining a grinding gap with respect to the pins. In order to improved the grind performance without notably increasing the drive power, the rotor elements defining the grinding gap with respect to the stator pins are embodied only by vanes extending approximately radially to the rotor axis. The radially outer ends of the vanes have a cutting edge. The stator pins have an edge associated with the radially outer vane edges. The rotor is also embodied as substantially open, inside the stator.

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IPC 8 full level
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B01F 27/70 (2022.01 - EP US); **B01F 33/833** (2022.01 - EP); **B01F 33/83612** (2022.01 - EP); **B01F 33/83612** (2022.01 - US)

Citation (examination)
• US 3251389 A 19660517 - URSCHEL JOE R, et al
• US 3823880 A 19740716 - URSCHEL J

Cited by
CN110773063A; DE10012072B4; EP0304604A3; EP0836880A1; EP0740953A1; DE102017010910A1; WO2019101907A1

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