

Title (en)

MIXING APPARATUS AND PROCESS FOR CLEANING THE SAME

Publication

**EP 0053759 A3 19830413 (DE)**

Application

**EP 81109898 A 19811125**

Priority

DE 3046542 A 19801210

Abstract (en)

[origin: EP0053759A2] A mixing device for dry substances, in particular for mixing and cooling plastics, in whose approximately cylindrical mixing vessel (1) a stirring shaft (5) with mixing blades (7) is arranged centrally so as to be driveable by a motor. The technical problem concerns the automatic cleaning without disassembling the mixing tools or opening the lid. Arranged on the mixing blades (7) are air lines (9) which are connected to an air channel (8) of the stirring shaft (5) and reach to the ends of the mixing blades. The air lines (9) lead to the mouths (10, 13) of nozzles which are directed towards the container wall, floor wall, the lid and the walls of any cooling units. <IMAGE>

IPC 1-7

**B01F 15/00**; **B01F 13/02**; **B01F 7/18**; **B01F 7/04**; **B29B 3/00**; **B29B 1/06**; **B01F 15/06**

IPC 8 full level

**B01F 33/40** (2022.01)

CPC (source: EP)

**B01F 33/4021** (2022.01); **B01F 35/1453** (2022.01); **B01F 35/91** (2022.01)

Citation (search report)

- [X] US 3138167 A 19640623 - DONALD FISHER CHESTER
- [A] NL 6516215 A 19670615

Cited by

EP0936943A4; CN111703007A; GB2211434A; EP0358120A3; EP0278374A3; US5649338A; EP0399972A1; EP0462875A1; FR2663242A1; EP0723821A1; EP2722103A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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