

Title (en)  
MIXER

Publication  
**EP 0192179 B1 19910710 (DE)**

Application  
**EP 86101766 A 19860212**

Priority  
DE 3505175 A 19850215

Abstract (en)  
[origin: EP0192179A2] The mixer comprises a mixing container 1 with a vertical axis, a conical side wall and a container bottom, as well as a mixing screw which is fastened to a shaft and is driven in rotation by means of a drive arranged underneath the container bottom. The upper end of the mixing screw is rotatably mounted in a bearing of a rotatingly driven swivel arm, which for its part is rotatably driven in a central housing flange on the upper side of the mixing container by a drive arranged there. To increase the operational reliability, axial changes in length of the mixing screw shaft are taken up in a bearing arranged at the swivel arm, by the mixing screw shaft being designed as a knockout spindle. Furthermore, the swivel arm is designed as a simple arm without any built-in gear mechanism, so there are no seals, gear components or the like in the product space.  
<IMAGE>

IPC 1-7  
**B01F 7/30**

IPC 8 full level  
**B01F 7/30** (2006.01); **B01F 7/00** (2006.01)

CPC (source: EP)  
**B01F 27/953** (2022.01); **B01F 27/1143** (2022.01); **B01F 27/2324** (2022.01)

Cited by  
US7217029B2

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0192179 A2 19860827; EP 0192179 A3 19890111; EP 0192179 B1 19910710**; AT E65031 T1 19910715; DE 3505175 A1 19860821; DE 3505175 C2 19890629; DE 3680124 D1 19910814; SU 1547695 A3 19900228

DOCDB simple family (application)  
**EP 86101766 A 19860212**; AT 86101766 T 19860212; DE 3505175 A 19850215; DE 3680124 T 19860212; SU 4022864 A 19860214