

Title (en)
IMPROVEMENTS IN MIXING MACHINES

Publication
EP 0101255 B1 19861126 (EN)

Application
EP 83304499 A 19830804

Priority
GB 8222636 A 19820805

Abstract (en)
[origin: EP0101255A2] A mixing machine comprises a dished circular rotary platform (a) that is smoothly curved towards an upwardly and outwardly inclined rim, and a stationary wall (c) that closely surrounds and extends upwardly from the rim of the rotary platform and defines on its inner face a concave part toroidal surface. The rim of the rotary platform (a) is tangential to the part toroidal surface so that as the platform (a) rotates materials to be mixed are flung outwards and upwards by the platform against the part-toroidal surface which guides the materials along and confines them in a toroidal circulation path. Thereby the materials are formed into and mixed together in a moving toroidal mass extending around the platform without build-up of an unacceptable layer of incompletely mixed material at the stator wall, with a minimum of particle damage and with minimum energy consumption.

IPC 1-7
B01F 9/10; B01F 7/16; B01F 13/02; B01F 5/10; B28C 5/28

IPC 8 full level
B01F 9/10 (2006.01)

CPC (source: EP)
B01F 29/82 (2022.01)

Cited by
EP0232531A3; EP0370072A4

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 0101255 A2 19840222; EP 0101255 A3 19840725; EP 0101255 B1 19861126; DE 3367865 D1 19870115; DK 355883 A 19840206;
DK 355883 D0 19830804; GB 2125307 A 19840307; GB 2125307 B 19851023

DOCDB simple family (application)
EP 83304499 A 19830804; DE 3367865 T 19830804; DK 355883 A 19830804; GB 8222636 A 19820805