

Title (en)
Continuously working mix kneader.

Title (de)
Kontinuierlich arbeitender Mischkneeter.

Title (fr)
Pétrisseur-mélangeur travaillant en continu.

Publication
EP 0451747 B1 19950816 (DE)

Application
EP 91105497 A 19910408

Priority
CH 124490 A 19900411

Abstract (en)
[origin: CA2040153A1] In the case of a continuously operating mixing kneader for the thermal or chemical treatment of products in liquid, pasty and/or pulverulent state in a housing, there is arranged in this housing, running axially, a kneader shaft (20), which is equipped with disk elements (25) and kneading bars (40) and rotates about an axis of rotation (z). Said kneader shaft effects the transporting of the product in the direction of transport (x). Between the disk elements (25) there are provided kneading counter-elements (33), fixed to the housing (1), the disk elements (25) being arranged furthermore in disk planes (42) perpendicularly to the kneader shaft and forming between them free sectors, which create kneading chambers with the disk plane (42) of adjacent disk elements (25). In this arrangement, the kneading bars (40) are intended to be arranged on a positive or negative offset line (43 or 44) in the kneading chambers between two disk planes (42). In the case of a positive offset line (43), each kneading bar (40) respectively assigned to two disk elements (25) is followed, counter to the direction of rotation (z), by a kneading bar assigned to the next two disk elements of the kneading chamber (28) following in the direction of transport (x), whereas the negative offset line (44) runs in the direction of rotation (z) and the direction of transport (x).

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B01F 7/04

IPC 8 full level
B01F 7/04 (2006.01)

CPC (source: EP US)
B01F 27/707 (2022.01 - EP US)

Cited by
US5934801A; EP0728518A1; NL1000276C2; US5882563A; US10442113B2; DE102012103565A1; DE102014106258A1; WO9634732A1; WO9622156A1; WO2014135489A3; WO2014023738A3; US9394626B2; DE102010060320A1; US9079984B2; US9480933B2; WO2015051884A1; WO2015022079A1; WO2015101404A1; WO2013160196A1; WO2014135489A2; WO2014023738A2

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