

Title (en)
Mixer-kneader with plural shafts.

Title (de)
Mehrspindeliger Knetmischer.

Title (fr)
Mélangeur-pétrin à plusieurs arbres.

Publication
EP 0329092 A1 19890823 (DE)

Application
EP 89102544 A 19890215

Priority
CH 55188 A 19880216

Abstract (en)
[origin: JPH0252030A] PURPOSE: To enable a powerful kneading action and the fissure of the flocculating state of material by bringing the frame-shaped kneading members on kneading shafts in proximity to the sectorial members on winged shafts to rub off the material to be processed and to powerfully press fit the material into kneading spaces from inclined surfaces. CONSTITUTION: This device is provided with the parallel revolving shafts 22, 29 and the disk members 26 disposed at the shaft 22 are provided with the axially directed kneading rods 27. The kneading members 34 are disposed at the shaft 29. The kneading members 34 are provided with diametral members 35, 36 and rubbing ends 41, 45 for rubbing the disk members 26 on the shaft 22 are disposed at these members 35, 36. The inclined surfaces 42, 46 for directing the rubbed material to be processed toward the kneading spaces 43, 47 by changing the direction of the material to an axial direction are disposed in succession with the rubbing end. The kneading spaces 43, 47 are so formed as to pass the inclined surfaces 42, 46 and to pass the wall surfaces of the disk members 26 which exist on the shaft 22 and face each other. Consequently, the powerful kneading action and the sufficient fissure of the flocculating state of the material are made possible.

Abstract (de)
Die Erfindung betrifft einen mehrspindeligen Knetmischer mit mindestens zwei achsparallelen ineinandergreifenden Rührwellen, von denen eine als Scheibenwelle ausgebildet in die Knetelemente einer Knetwelle eingreifen, dadurch gekennzeichnet, dass diese Knetelemente das Produkt von den Scheibenflächen abschaben und durch entsprechende Ableitflächen in einen Knetspalt pressen, der einerseits durch das Knetelement und andererseits die gegenüberliegende Scheibenfläche gebildet wird, wobei das Produkt zwischen den Scheibenflächen axial hin- und herbewegt wird.

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B01F 7/04

IPC 8 full level
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CPC (source: EP US)
B01F 27/702 (2022.01 - EP US)

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• [AD] DE 2012294 A1 19701001 - LIST HEINZ [CH]
• [A] US 3851859 A 19741203 - KARP J
• [A] EP 0144092 A2 19850612 - LIST IND VERFAHRENSTECH [CH]
• [A] DE 2123956 A1 19711202 - LIST H
• [A] CH 565585 A5 19750829 - LIST HEINZ

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