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(54) **KNEADING APPARATUS FOR KNEADING AND MIXING DOUGH**

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See application file for complete search history.

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(57) **ABSTRACT**
The invention relates to a kneading apparatus for kneading and mixing dough, having a kneading chamber, discharge opening and an input. The kneading apparatus has at least two shafts to which tools which are arranged in the kneading chamber are fixed, wherein at least one of the tools is designed to convey dough from the input region, in the conveying direction, to the discharge opening. The rotation speeds of the two motor-driven shafts can be set and changed separately from one another with the aid of a control. The two shafts are fitted with tools in a different manner from each other in such a way that the conveying action of all the tools of one shaft differs from the kneading action of all the tools of the other shaft given the same rotation speed of the shafts in each case.

18 Claims, 8 Drawing Sheets

