

Title (en)
MIXER

Title (de)
MISCHER

Title (fr)
MÉLANGEUR

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Application
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Abstract (en)
[origin: CA2743256A1] The invention relates to a mixer having a rotating mixing container and a tool shaft (8) arranged at least partially in the mixing container, having a drive end and an operating end for a tool (6), wherein the tool shaft (8) is mounted on the drive end by means of two tool bearings, spaced apart from one another, and there is a drive motor (7) for the tool shaft (8). In order to create a mixer that is simple and cost-effective to produce, having as few movable and wearing parts as possible and a tool shaft (8) that is furthermore capable of sustaining the significant transverse forces occurring in operation, according to the invention the drive motor (7) has a motor shaft that is mounted at least on one side by a tool bearing.

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Citation (examination)
• DE 19712324 C2 20000511 - RENNER GMBH [DE]
• DE 3942679 A1 19910627 - EKATO IND ANLAGEN VERWALT [DE]
• DE 60015482 T2 20051027 - NISHIMOTO TAKASHI [JP]

Cited by
US11684900B2

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DOCDB simple family (publication)
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