

Title (en)
APPARATUS FOR DRIVING AN WOBBLING BODY.

Title (de)
VORRICHTUNG ZUM ANTRIEB EINES TAUMELKÖRPERS.

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT D'UN CORPS OSCILLANT.

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Application
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Abstract (en)
[origin: WO9402235A1] A wobbling oloidic hollow body (4) which serves a receptacle for material to be mixed rests on and is set in motion by a revolving endless belt (2). The wobbling movement is produced as the intersection points of the axis of a possibly hollow shaft (6), which passes through the hollow body (4) in its longitudinal axis, run oval courses through two parallel planes which stand upright and run in the longitudinal direction of the endless belt (2). Each of these planes is defined by a frame (11), and each of these frames (11) uses at least four spring joints (10) to support an oval guide track (8) around which runs a carriage (9). Attached to this carriage (9) are the bearing and guide elements for the shaft (6). The tumbling hollow body (4) has a closable opening (5) for pouring in and removing the material for mixing. If the shaft (6) is designed as hollow, then during the wobbling, material for mixing can be fed in and removed via rotary transmission leadthroughs at the ends of the hollow shaft (6). The oloidic hollow body (4) can have two segments-like surfaces (7) which are intersected by the shaft (6). This allows for a narrower design of the belt (2) and creates space for the shaft (6).

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