

Title (en)
Device for mixing and conveying

Title (de)
Misch- und Fördergerät

Title (fr)
Dispositif de mélange et de transport

Publication
EP 0563519 B1 19960508 (DE)

Application
EP 93101040 A 19930123

Priority
DE 4210430 A 19920330

Abstract (en)
[origin: EP0563519A1] The invention relates to a device for mixing and transporting, in particular for mortar or concrete as the material to be transported. The device essentially consists of a supporting frame (10), a fixed mixing vessel (12), a drive engine (14) preferably designed as a diesel engine, and an agitator (16) rotatably arranged in the mixing vessel (12) about an essentially horizontal axis and drivable via the drive engine (14) and transmission means (18, 20, 22, 24). The transmission means have a belt drive (24), arranged between an engine shaft (28) and a universal shaft (22) connected to the agitator, as well as a tensioning and coupling device (34) for the belt drive (24). In order to ensure good shock absorption and yet adequate tensioning of the belt drive in an arrangement which is as compact as possible, it is proposed according to the invention that the tensioning and coupling device (34) have a rocker (40), which carries a universal shaft bearing (38) and is pivotably arranged at a distance from the universal joint (20) on the supporting frame (10) about an axis essentially parallel to the universal shaft (22), as well as a combined pneumatic-spring damper (46) mounted between supporting frame (10) and rocker (40). <IMAGE>

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