

Title (en)  
TRANSPORTABLE MIXER, PREFERABLY HAVING A REVERSED-RUNNING EMPTYING FACILITY FOR BUILDING MATERIALS, ESPECIALLY CONCRETE

Publication  
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Application  
**EP 85113601 A 19851025**

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Abstract (en)  
[origin: US4730934A] In a mobile mixer, preferably having counterrotational emptying, for building materials, in particular concrete, in a mixing drum (1) which, on its inner wall (9), has one or more flat elevators (11, 12) following a helix and extending from the closed drum base (2) to the drum opening (3), which elevators (11, 12) are driven about the drum axis during rotation of the mixing drum and push the building material to the front of the closed base (2) during transport and during mixing, with one or more flat sections (26, 27) which are helically curved about the mixing drum axis (4) being fixed for driving during the mixing drum rotation (5) in the mixing drum space enclosed by the elevators acting as mixing spirals (11, 12), which flat sections (26, 27) are arranged counterrotationally to the mixing spirals (11, 12) in such a way that, during the transport and during the mixing of the building material (13), they produce a counterflow in the building material filling core surrounded by the mixing spirals (11, 12). It is provided according to the invention that the flat sections (26, 27) start at the mixing drum base (2) and end in front of the mixing spirals (11, 12) and the mixing drum opening (3), and that the flat sections (26, 27) of the counterflow spirals (26, 27) are fixed to the elevators of the mixing spirals (11, 12) and via the mixing drum base (2) to the mixing drum wall (9).

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