

Title (en)

Method for mixing powder or granular materials, and mixing machine

Title (de)

Verfahren zum Mischen von pulver- und/oder granulatformigen Stoffen sowie Mischmaschine

Title (fr)

Procédé de mélange de matières en forme de poudre et/ou de granulés, et machine de mélange

Publication

EP 2460581 B1 20170719 (DE)

Application

EP 12157516 A 20100222

Priority

- EP 10154240 A 20100222
- DE 202009001937 U 20090304

Abstract (en)

[origin: CN101822955A] A mixing machine 1 includes a mixing head 3 displayed with one or several elements 12 for connecting the same to a container 5 containing a mix to form a closed mixing receptacle containing the mix. The mixing head 3 is mounted pivotably facing a frame 2 in such a way that the mixing receptacle formed from mixing head 3 and container 5 is pivotable to execute the mixing process. The mixing machine 1 further includes a device for producing a mix stream and at least one rotary-driven mixing tool interacting in the mix stream. The mix-stream-producing device is designed to produce a low-energy primary mix-stream as a feed stream for supplying the mix contained in the mixing receptacle to the at least one mixing tool W2 disposed in the mixing head 3 interacting in the primary mix-stream produced by the mix-stream-producing device. The at least one mixing tool W2 is provided to produce a secondary primary mix-stream containing only a fraction of the mix contained in the mixing receptacle as a cross-stream to the primary mix-stream.

IPC 8 full level

B01F 29/64 (2022.01)

CPC (source: EP US)

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Cited by

EP2937137A1; DE102016116005B3; CN105617913A; DE202016104721U1; DE202015103257U1; DE202015103284U1; EP3108957A1; DE202014101787U1; US9968897B2

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