

Title (en)
APPARATUS FOR PRODUCING HIGHLY HOMOGENOUS MULTI-COMPONENT SUSPENSIONS, MIXTURES, POWDERS, AND MATERIALS

Title (de)
VORRICHTUNG ZUR HERSTELLUNG VON IN HOHEM MASSE HOMOGENEN SUSPENSIONEN, MISCHUNGEN, PULVERN UND MATERIALIEN AUS MEHREREN BESTANDTEILEN

Title (fr)
INSTALLATION POUR PRODUIRE DES SUSPENSIONS, DES MÉLANGES, DES POUDRES ET DES MATÉRIAUX HAUTEMENT HOMOGENES À COMPOSANTS MULTIPLES

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Application
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Abstract (en)
The invention relates to equipment for producing highly homogenous multi - component suspensions, mixtures, powders, and materials and can be used in many manufacturing industries, for example, the food industry, health care industry, agriculture, construction, oil production, mining, and electronics, where highly homogenous mixtures, highly homogenous suspensions, and highly concentrated viscous suspensions are required. Apparatus for producing highly homogeneous multi - component suspensions, mixtures, powders, and materials that comprises an actuator connected functionally to a control unit; thermostat station; working liquid container; washing liquid container; receiver of gaseous medium for drying and bubbling purposes; an electromagnetic radiation source (11), and a control and monitoring panel, the actuator comprising a housing (13) with a charging system (5) and a discharging system (6); an inlet cone (14); a material forced- feed mechanism (16); a conical base (18) of the external working zone element (19) having an individual reciprocation drive (20) for movement relative to the longitudinal axis thereof and a conical base (21) of the internal working zone element (22) having an individual drive (23) for reversing the rotation thereof, the conical bases of the external and internal working zone elements being provided with cavities (25, 26) and channels (27, 28) for the flow of a temperature stabilizing agent, and the conical base of the external working zone element being provided with channels (29) for liquid and/or gaseous ingredients to be delivered to the working zone (24) to produce a working medium and with channels (30) to supply liquid and/or gas for washing, drying, and bubbling purposes.

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See references of WO 2013043079A1

Cited by
CN108970772A; CN108543581A; CN111249962A; CN106621956A; CN108479611A

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