

Title (en)

Apparatus for bringing plastic materials to a state of reduced viscosity.

Title (de)

Vorrichtung zur Überführung von plastischen Massen in einen Zustand erniedrigter Viskosität.

Title (fr)

Dispositif pour porter des matériaux plastiques dans un état de viscosité réduite.

Publication

EP 0502568 B1 19951108 (DE)

Application

EP 92200523 A 19920224

Priority

DE 4106645 A 19910302

Abstract (en)

[origin: EP0502568A2] Apparatus for bringing thixotropic plastic materials into a state of reduced viscosity, with a mould to receive the material, with a press plunger to feed the material towards an outlet opening and with a sonotrode coupled to an ultrasonic oscillator, in which the following individual parts are provided: - a two-part mould, which comprises a first and a second hollow body (4) and (5), the hollow bodies (4) and (5) connecting together in a flush manner via a flange (6) and each having a front-side opening, - a sonotrode (2), which is closely fitted into the first hollow body (4) so as to be slidable and is coupled to a piezo-oscillator (3) disposed in front of the front-side opening of the first hollow body (4) and - a press plunger (1), which can be displaced in the second hollow body (5), which is provided to receive the material (8) that is to be brought into a state of reduced viscosity, from the front-side opening of this hollow body towards the sonotrode (2) and presses the material (8) in a state of reduced viscosity (9) out of the second hollow body (5) through an outlet opening (7) directly adjacent to the sonotrode (2). <IMAGE>

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