

Title (en)  
DEVICE FOR MANUFACTURING PASTILLES

Title (de)  
VORRICHTUNG ZUR HERSTELLUNG VON PASTILLEN

Title (fr)  
DISPOSITIF POUR LA FABRICATION DE PASTILLES

Publication  
**EP 0707515 A1 19960424 (DE)**

Application  
**EP 95915839 A 19950401**

Priority  
• DE 4415846 A 19940505  
• EP 9501216 W 19950401

Abstract (en)  
[origin: DE4415846A1] The invention pertains to a device used to manufacture pastilles or pellets by shearing a stream of an extruded mass subject to forces of inertia. The invention consists of a curved tube (2) in which the mass is circulated and which is provided with numerous drilled holes (3) which are situated along a generatrix and through which the mass is expelled at high speed. The tube is forcefully moved (agitated) in order periodically to divide the extruded stream into pieces and in this way break off "drops", which can then be cooled on a flat surface to form pastilles or shaped in free fall into a spherical granulate. An advantageous design involves a percussive device, where the movement is sustained by piezoelectric ceramics: the tube alternately strikes against two rows of metal stops (5) which are reinforced with piezoelectric ceramics (11) and thus impart to the tube the energy lost at the moment of impact and as a result of friction. The device is primarily suited for the pharmaceutical, chemical and agricultural feed industries.

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