

Title (en)  
METHOD AND APPARATUS FOR THE PRODUCTION OF DROPLETS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON TROPFEN

Title (fr)  
PROCEDE ET APPAREIL DE PRODUCTION DE GOUTTELETTES

Publication  
**EP 0683731 B1 20000920 (EN)**

Application  
**EP 94907456 A 19940211**

Priority  
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Abstract (en)  
[origin: WO9418011A1] An apparatus and a method for the formation of droplets from meltable powdered solid or highly viscous materials such as inks (9) by reducing the viscosity (10, 14) of the material to a viscosity to enable droplet formation, providing the reduced viscosity ink to an ejection location (6), applying a constant or pulsed electrical potential (4) to the ejection location to form an electric field at the location and ejecting such droplets away from the ejection location by electrostatic means. Alternatively there may be constant electrical potential to form a constant electrostatic field at the ejection location and pulsed heating of the ejection location.

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IPC 8 full level  
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