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**Weigel**

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(54) **CAPILLARY METERING DEVICE AND METHOD FOR OPERATING SUCH A CAPILLARY METERING DEVICE**

(58) **Field of Classification Search**

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See application file for complete search history.

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(57) **ABSTRACT**

(51) **Int. Cl.**

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A capillary metering device for a powder product has a vibration body with a capillary formed within the vibration body for receiving and conveying the powder product. The vibration body is formed of at least two adjoining body parts, wherein the capillary is formed as a channel with at least one open side in the demounted state in at least one of the body parts. The open side of the channel in the mounted state is closed off by the adjoining body part. The vibration body is caused to vibrate with such an amplitude and frequency that a powder flow of the powder product passes through the capillary formed in the vibration body into a target container and that upon reaching a target quantity of the powder product in the target container the powder flow to the target container is interrupted.

(52) **U.S. Cl.**

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**19 Claims, 5 Drawing Sheets**

