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(12) **United States Patent**  
**Oehm et al.**

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(54) **METHOD FOR JOINING A SEALING SEAM OF A TUBULAR BAG PACKAGING BY MEANS OF AN ULTRASOUND APPLICATOR AND LONGITUDINAL SEAL JOINING DEVICE FOR USE WITH SAID METHOD**

(52) **U.S. Cl.**  
CPC ..... **B29C 65/08** (2013.01); **B06B 1/0207** (2013.01); **B06B 3/00** (2013.01); **B29C 65/7891** (2013.01);

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(71) Applicant: **Robert Bosch GmbH**, Stuttgart (DE)

(58) **Field of Classification Search**  
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(57) **ABSTRACT**

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The invention relates to a method for joining a sealing seam of a tubular bag packaging by means of an ultrasonic applicator (10), characterized in that said ultrasonic applicator (10) generates ultrasonic waves at a frequency of between 0.1 MHz and 5 MHz, preferably between 0.5 MHz and 2 MHz. The invention also relates to a longitudinal seal joining device of a tubular bag machine for use with said claimed method.

(51) **Int. Cl.**

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**B29C 65/08** (2006.01)

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**12 Claims, 11 Drawing Sheets**

