

Title (en)

METHOD AND DEVICE FOR COMMINUTING AND BREAKING DOWN A PRODUCT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ZERKLEINERN UND ZERLEGEN EINES GUTES

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMUNUTION ET DE FRACTIONNEMENT D'UN PRODUIT

Publication

EP 3801912 A1 20210414 (DE)

Application

EP 19728983 A 20190605

Priority

- DE 102018208867 A 20180606
- EP 2019064678 W 20190605

Abstract (en)

[origin: WO2019234109A1] The invention relates to a method for breaking down and comminuting a product by means of the electrohydraulic effect, in which, in a container (4) filled with a liquid, a discharge with a pulse energy or discharge energy less than 100 J, preferably between 1 J and 50 J, particularly preferably between J and 20 J, is generated substantially in the liquid by means of a pulse current source (SQ) within an underwater spark gap between at least one first electrode (9), in particular mass electrode, and a second electrode (10), in particular high-voltage electrode, the product to be comminuted lying in the spark gap in the continuous or discontinuous container (4). The invention also relates to a device (2) for breaking down and comminuting a product.

IPC 8 full level

B02C 19/18 (2006.01)

CPC (source: EP)

B02C 19/18 (2013.01); **B02C 2019/183** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019234109 A1 20191212; EP 3801912 A1 20210414; EP 3801912 B1 20231115; EP 3801912 C0 20231115; ES 2971793 T3 20240607

DOCDB simple family (application)

EP 2019064678 W 20190605; EP 19728983 A 20190605; ES 19728983 T 20190605