Title (en)

METHOD AND DEVICE FOR CRUSHING BULK MATERIAL PARTICLES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ZERKLEINERN VON SCHÜTTGUTKÖRNERN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE BROYAGE DE GRANULES EN VRAC

Publication

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Application

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Abstract (en)

[origin: CA3080660A1] The invention relates to a device for comminuting bulk material grains (K), in particular of grains and kernels, comprising a first element, which is designed as a rotor that is rotatably mounted about a rotor axis having a cylindrical circumferential surface having a first surface (31) and a first receiving portion (41) in the form of a circumferential groove, a second element that is designed as a shear strip (51), having a second surface (61) and a second receiving portion (71) in the form of a recess, and a supply unit. The first surface (31) and the second surface (61) are arranged parallel to one another and facing one another, preferably touching each other. The first element and the second element are movable to and fro relative to one another between a first position (P1) and a second position (P2), wherein the direction of movement (M) is in the plane of the first and the second surface (31, 61). In the first position (P1), the first receiving portion (41) and the second receiving portion (71) are in connection to one another via a passage (9) forming a receptacle, in which a bulk material grain (K) can be positioned via the supply unit, and wherein upon moving the first element and the second element (51) from the first position (P1) to the second position (P2), a cross section of the passage (9) is narrowed.

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