

Title (en)

METHOD AND DEVICE FOR THE CRYOGENIC GRINDING OF BULK MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KRYOGENZERKLEINERN VON SCHÜTTGUT

Title (fr)

PROCEDE ET DISPOSITIF DE BROYAGE CRYOGENQUE DE PRODUITS EN VRAC

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Application

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Abstract (en)

[origin: WO2008110517A1] The invention relates to a method for the cryogenic grinding of bulk material, especially bulk material having soft or elastic material properties, for example rubber-elastic properties, under normal conditions. According to said method, the bulk material is embrittled so that the particles of bulk material can then be size-reduced in the embrittled condition. The surface of the particles of bulk material is increased before the step of embrittlement. The invention also relates to an installation (1) for the cryogenic grinding of bulk material, especially bulk material having soft or elastic material properties, for example rubber-elastic properties, under normal conditions. Said installation comprises a cooling section (7) for embrittling the particles the bulk material is constituted of and a size-reduction device (8), mounted downstream of said cooling section, for size-reducing the material embrittled in the cooling section (7). The installation (1) also has a device (2), mounted upstream of the cooling section (7) in the direction of material flow, for increasing the surface of the particles of bulk material.

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