

Title (en)  
 DEVICE FOR THE IMPACT CRUSHING AND DISPENSING OF MATERIALS, IN PARTICULAR WOOD, IN SEVERAL FRACTIONS

Title (de)  
 VORRICHTUNG ZUR PRALLZERKLEINERUNG UND AUSBRINGUNG VON MATERIALIEN, INSBESONDERE VON HOLZ, IN MEHREREN FRAKTIONEN

Title (fr)  
 DISPOSITIF DE BROyage PAR IMPACT ET DE PRODUCTION DE MATÉRIAUX, EN PARTICULIER DE BOIS, EN PLUSIEURS FRACTIONS

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Application  
**EP 12719366 A 20120502**

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Abstract (en)  
 [origin: CA2833069A1] The invention relates to a device (1) for crushing material, in particular wood, comprising an impact reactor (2), which has a substantially cylindrical main body (4), in the closed interior (6) of which a rotor (8) having at least one impact element (10) is rotating, which impact element contacts the material and crushes the material into partial components by producing a high momentum transfer, an ejector box (14), which is connected to the interior (6) of the cylindrical main body (4) by means of an ejection opening (16), and a first conveying screw (24a) arranged inside the ejector box (14) under the ejection opening (16) for conveying the crushed material from the ejector box (14), characterized in that a first screen (20a) having a first mesh width is arranged under the ejection opening (16), said first screen extending from the ejection opening (16) to the first conveying screw (24a) at an angle with respect to the horizontal, and that a sliding surface (22) arranged at an angle with respect to the horizontal or a second screen (20b) arranged at an angle with respect to the horizontal and having a second mesh width that is smaller than the first mesh width is arranged under the first screen (20a), which second screen extends from the cylindrical main body (4) to a second conveying screw (24b) arranged under the first conveying screw (24a).

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