

Title (en)
DEVICE FOR GRINDING UP NON-METALLIC PIECES

Title (de)
VORRICHTUNG ZUM ZERMAHLEN VON NICHTMETALLTEILEN

Title (fr)
APPAREIL DE BROyage DE PIECES NON METALLIQUES

Publication
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Application
EP 04741488 A 20040429

Priority
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Abstract (en)
[origin: US2006079101A1] A grinding device including at least one motor-driven rotating shaft near the bottom of a receptacle for receiving non-metallic pieces to grind up. The shaft has teeth, which shred and grind the non-metallic pieces and which are radially arranged in rows on the periphery of the shaft. The shaft teeth cooperate with teeth of at least one fixed comb, which is attached to a receptacle and divides the receptacle into an upper part situated above the comb and a lower part located underneath the comb. The fixed comb includes an electrically conductive base brought to a specified potential. An electrically conductive surface, which is oriented toward the upper part of the receptacle, is electrically separated from the base, and is brought to a potential that is different from that of the base, in order to detect the presence of metallic pieces by the completion of the electrical circuit created thereby.

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