

**PATENT NO. 329412**  
**METHOD AND APPARATUS FOR DEPITHING OF BAGASSE**

**APPLICATION NO.** 288/DEL/2008

**APPLICANT**

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**ABSTRACT**

The present invention provides for an improved method and apparatus for treating raw material comprising a feeder assembly for receiving and feeding the raw material to be treated; a milling system [E] having a treatment chamber to which the raw material is fed, comprising a pair of optimally designed discs [edr, eds] having adjustable space in between, wherein one of the disk is stator [eds] and the other is rotary [edr]; an impeller [id] attached to the rotary disk [edr]; a separating/sieving system [G] comprising a universal separator, an inlet to the separator and the brush auger assembly having optimized openings spaced at equal distance for sifting the treated raw material.

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**CLAIM 1**

An apparatus for treating raw material comprising:

- (e) a feeder assembly for receiving and feeding the raw material to be treated;
- (f) a milling system [E] having a treatment chamber to which the raw material is fed, comprising a pair of optimally designed discs [edr, eds] having adjustable space in between, wherein one of the disk is stator [eds] and the other is rotary [edr];
- (g) an impeller [id] attached to the rotary disk [edr];
- (h) a separating/sieving system [G] comprising a universal separator, an inlet to the separator and the brush auger assembly having optimized openings spaced at equal distance for sifting the treated raw material.