

TITLE**ONE-STEP REDUCTION OF BOTANICAL MATERIAL
INTO FINE PARTICLES****Abstract**

[0050] The present invention reduces botanical matters into consistent size that are suitable for downstream environmental uses. Accordingly, the present invention segregates with a shredding assembly the vascular fibres from the parenchyma tissues of botanical matters simultaneously and efficiently. The present invention provides a conveyor and shredding assembly that reduce botanical matters into consistent size in one single step. Furthermore, the present invention teaches a portable, conveyor and shredding assembly that unlocks the un-utilized resources from unproductive palm trees and facilitates an environmental method of disposing the same. Finally, the present invention provides a generic method of recycling unproductive monocotyledonous plants, fronds and trunks efficiently and in environmental friendly manner.

[0051] FIG. 2 accompanies the abstract.