

(54) Title of the invention : MICROWAVE-ASSISTED CROP WASTE POWDER MAKING MACHINE

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(57) Abstract :
 The present disclosure relates to an agricultural machine. More particularly, the present discourse relates to tractor-mounted machine to transform crop waste into fine powder that has high heating value. The machine being mechanically coupled to a rear end of a tractor (100A). The machine may include a generator (202) that provides power to the machine, a picking mechanism designed to collect crop waste from the farm field, a conveyor unit (204) that transports the collected crop waste along a continuous moving path, a shredding unit (206) responsible for breaking the collected crop waste into smaller fragments, a cyclone separator unit (208) that removes moisture from the smaller fragments, a dryer unit (210) that further dries the smaller fragments, and a grinding unit (212) that grinds the dried fragments into fine powder.

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