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(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)SINGH, Varinder</b>
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(57) Abstract :

In an aspect, the present disclosure relates to a device for handling crop residue, wherein the device includes an electric vehicle operatively coupled with a sucker to suck the crop residue from ground; a microwave operatively coupled with the electric vehicle so as to receive and dry the sucked crop residue from the sucker, said sucked crop residue being dried based on moisture content in the sucked crop residue; and a combustion chamber operatively coupled with the microwave and configured to receive and combust the dried crop residue in a controlled environment so as to yield Carbon-black.

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