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(71)Name of Applicant :

1)ADDANKI NARASIMHA PHANI DEEPTHI

Address of Applicant :W/O Y.V. MADHU, 70-12-4, OPP ANDHRA OIL MILL, NSM ROAD PATAMATA, VIJAYAWADA, ANDHRA PRADESH, INDIA VIJAYAWADA

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)J. PRABAKARAN

Address of Applicant :DEPT. OF MECHANICAL ENGINEERING, ANNAMALAI UNIVERSITY, CHIDAMBARAM, TAMIL NADU, INDIA CHIDAMBARAM --

2)A.P. SATHIYAGNANAM

Address of Applicant :DEPT. OF MECHANICAL ENGINEERING, ANNAMALAI UNIVERSITY, CHIDAMBARAM, TAMIL NADU, INDIA CHIDAMBARAM --

(57) Abstract :

A method (500) of preparation of biofuel is provided. The method includes grinding, by a grinder, a raw material to obtain a ground material. The raw material includes capsicum annum var longum pedicel. The method also includes extracting, by a soxhlet extraction apparatus, the ground material to obtain an oil-solvent mixture. The oil-solvent mixture includes an oil and a solvent in a volumetric ratio of 36:7. The method further includes evaporating, by a rotary evaporator, the oil-solvent mixture to obtain crude oil. The method also includes trans esterifying, by alcohol, the crude oil to obtain the biofuel. FIG. 1

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