

Novel Microwave Assisted Flash Pyrolysis System and Method Thereof

Abstract

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The present invention provides a microwave assisted flash pyrolysis system to carry out microwave assisted flash pyrolysis in an industrial scale. The microwave assisted flash pyrolysis system comprises at least one microwave generator; a chamber comprises: at least one feedstock inlet, at least one baffle plate, a
10 microwave-transparent rotating window, and at least one microwave inlet, at least one wet gas outlet, and at least one dry end product outlet. The present invention also provides a method using the same system to carry out microwave assisted flash pyrolysis.

15 Fig. 26