

Title (en)

MICROWAVE-BASED MATERIAL PROCESSING SYSTEMS EMPLOYING PASS-THROUGH MICROWAVE ENERGY CONTAINMENT DEVICES

Title (de)

MIKROWELLENBASIERTE MATERIALBEARBEITUNGSSYSTEME MIT  
DURCHGANGSMIKROWELLENENERGIEEINDÄMMUNGSVORRICHTUNGEN

Title (fr)

SYSTÈMES DE TRAITEMENT DE MATIÈRES FAISANT APPEL À DES HYPERFRÉQUENCES, EMPLOYANT DES DISPOSITIFS DE  
CONFINEMENT D'ÉNERGIE HYPERFRÉQUENCE À PASSAGE TRAVERSANT

Publication

**EP 3205181 A1 20170816 (EN)**

Application

**EP 15848746 A 20151006**

Priority

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- US 2015054334 W 20151006

Abstract (en)

[origin: WO2016057581A1] Systems and methods for heating, converting or otherwise processing materials by means of microwave irradiation. The materials to be processed may be moved through the system by means of a vibratory conveyor. Other system components may be isolated from the vibratory motion effects of the vibratory conveyor. In another exemplary embodiment, the migration of stray microwave energy from the system may be blocked by a pass-through microwave energy containment device(s) that blocks the unwanted migration of stray microwave energy while simultaneously allowing feedstock material or processed material to pass therethrough.

IPC 8 full level

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CPC (source: EP)

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Designated extension state (EPC)

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