

Title (en)

APPARATUS FOR AND METHOD OF HEATING A FEEDSTOCK USING MICROWAVE ENERGY

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERWÄRMEN EINES EINSATZMATERIALS UNTER VERWENDUNG VON MIKROWELLENENERGIE

Title (fr)

APPAREIL ET PROCÉDÉ DE CHAUFFAGE D'UNE CHARGE D'ALIMENTATION À L'AIDE D'UNE ÉNERGIE HYPERFRÉQUENCE

Publication

EP 2380402 B1 20130403 (EN)

Application

EP 09803885 A 20091223

Priority

- GB 2009002947 W 20091223
- GB 0823602 A 20081224

Abstract (en)

[origin: WO2010073013A2] An apparatus for heating a feedstock using microwave energy, the apparatus has a feedstock receptacle, a vibrator which vibrates the receptacle so as to cause the feedstock to move relative to the receptacle, and a source of microwave energy arranged to direct microwave energy towards the receptacle. The vibrator vibrates the receptacle so as to cause a feedstock to describe a substantially helical path relative to the receptacle which results in substantially uniform heating of the feedstock by the microwave energy, regardless of a depth of a bed formed by the feedstock in the receptacle.

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