

Title (en)

MICROWAVE HEATING PROCESS AND APPARATUS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HEIZUNG MIT MIKROWELLEN

Title (fr)

PROCEDE ET APPAREIL DE CHAUFFAGE MICRO-ONDE

Publication

EP 1675676 A1 20060705 (EN)

Application

EP 03772629 A 20031002

Priority

IT 0300595 W 20031002

Abstract (en)

[origin: WO2005030385A1] Heating of a material, including fluids such as air and water, by means of microwaves is implemented by placing said material in a heat exchange relation with a microwave absorbing inorganic compound selected from minerals in the classes of tectosilicates, phyllosilicates and applying microwave radiation to said inorganic compound, which is heated and releases heat to the material.

IPC 1-7

B01J 19/12

IPC 8 full level

B01J 19/12 (2006.01); **H05B 3/78** (2006.01); **H05B 3/80** (2006.01); **H05B 6/78** (2006.01)

CPC (source: EP)

B01J 19/126 (2013.01); **H05B 6/70** (2013.01); **H05B 6/806** (2013.01); **B01J 2219/00141** (2013.01); **B01J 2219/00198** (2013.01); **B01J 2219/00202** (2013.01); **B01J 2219/00213** (2013.01); **B01J 2219/00238** (2013.01)

Citation (search report)

See references of WO 2005030385A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005030385 A1 20050407; AU 2003279522 A1 20050414; EP 1675676 A1 20060705

DOCDB simple family (application)

IT 0300595 W 20031002; AU 2003279522 A 20031002; EP 03772629 A 20031002