

Title (en)

DEVICE FOR IMPLEMENTING CHEMICAL REACTIONS AND PROCESSES IN HIGH FREQUENCY FIELDS

Title (de)

VORRICHTUNG ZUR DURCHFÜHRUNG CHEMISCHER REAKTIONEN UND PROZESSE IN HOCHFREQUENZFELDERN

Title (fr)

DISPOSITIF POUR REALISER DES REACTIONS ET DES PROCESSUS CHIMIQUES DANS DES CHAMPS HAUTE FREQUENCE

Publication

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Application

**EP 01933761 A 20010327**

Priority

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Abstract (en)

[origin: WO0172413A1] The aim of the invention is to create a device which operates in a highly reliable manner with minimum loss of energy, requiring a minimum amount of technical complexity for a wide range of applications used to carry out chemical reactions and processes in high frequency fields. According to the invention, rod-shaped elements are provided around the reactor (1). Said elements form a pressure-stable cage and can be individually fixed to the wall (4) of the high frequency chamber (2) with the aid of fixing elements (6). The rod-shaped elements respectively possess a guide (11) which is used to receive a crown-shaped holder (12) for the reactor (1) or a reactor closure (13, 13a). When the rod-like elements (5) are fixed in a positive fit, the holder (12) is secured in such a way that alignment and centering can occur. The inventive device advantageously enables energy to be supplied during decomposition, hydrolysis, chemical synthesis, extraction, distillation, drying and other reactions and processes.

IPC 1-7

**B01J 19/12**; **H05B 6/64**

IPC 8 full level

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Citation (search report)

See references of WO 0172413A1

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