

Title (en)
DISSOCIATION OF MOLECULAR WATER INTO MOLECULAR HYDROGEN

Title (de)
DISSOZIATION VON MOLEKULAREM WASSER ZU MOLEKULAREM WASSERSTOFF

Title (fr)
DISSOCIATION DE L'EAU MOLECULAIRE EN HYDROGENE MOLECULAIRE

Publication
EP 1765745 A2 20070328 (EN)

Application
EP 04777427 A 20040630

Priority

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- US 63270803 A 20030801
- US 81959104 A 20040406

Abstract (en)
[origin: WO2005005009A2] Water molecules, preferably in the form of steam or water vapor, are introduced into a radiant energy transfer reactor. The radiant energy is absorbed by the molecules which dissociate into their constituent molecular elements of hydrogen and oxygen. To prevent recombining of the constituent molecular elements, the hydrogen and oxygen are separated from each other. Various devices may be employed to effect this separation. Once separated, the molecular components are prevented from recombining with each other or with other elements by using standard separation techniques normally employed for separating dissimilar gaseous species.

IPC 8 full level
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