

Title (en)

METHOD FOR THE RAPID THERMAL ACTIVATION OF A CHEMICAL REACTION IN A SUPERCRITICAL FLUID SOLUTION

Title (de)

VERFAHREN ZUR SCHNELLEN THERMISCHEN ANREGUNG EINER CHEMISCHEN REAKTION IN EINER ÜBERKRITISCH FLUIDEN LÖSUNG

Title (fr)

PROCEDE D'ACTIVATION THERMIQUE RAPIDE D'UNE REACTION CHIMIQUE DANS UNE SOLUTION FLUIDE SURCRITIQUE

Publication

EP 1379327 A1 20040114 (DE)

Application

EP 02730025 A 20020319

Priority

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- EP 01108275 A 20010402

Abstract (en)

[origin: EP1247566A1] Rapid thermal stimulation of a chemical reaction in a solution in a supercritical fluid state during the reaction involves heating a fluid to a fluid temperature above the reaction temperature, and mixing the fluid with at least one reaction partner (3, 4) which is at a pre-reaction temperature below the reaction temperature. The reaction partner is brought to the reaction temperature during a period which is shorter than the half-life of the reaction at the reaction temperature. The composition of the fluid is determined so that the fluid is stable at the fluid temperature and does not decompose.

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B01J 3/00

IPC 8 full level

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CPC (source: EP)

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