

Title (en)
CHEMICAL REACTORS AND METHODS FOR MAKING SAME

Title (de)
CHEMISCHE REAKTOREN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
REACTEURS CHIMIQUES ET PROCEDES DE REALISATION

Publication
EP 1747061 A4 20080319 (EN)

Application
EP 05734173 A 20050406

Priority

- CA 2005000515 W 20050406
- US 81878004 A 20040406
- US 81884304 A 20040406
- US 81861204 A 20040406
- US 81882604 A 20040406
- US 81861104 A 20040406
- US 81861004 A 20040406

Abstract (en)
[origin: WO2005097311A1] Chemical reactors such as fuel cells, electrolysis cells or the like may be made up of frames which combine a process layer with a perimeter barrier. The perimeter barrier defines a low aspect ratio cavity on the process layer. The low aspect ratio cavity may be filled with porous diffusion media or other materials. The frames may be incorporated into intermediate assemblies that can be combined to form reactors. Intermediate assemblies may be bonded together to form the reactors. In an assembled reactor, the cavities have high aspect ratios.

IPC 8 full level
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Citation (search report)

- [X] EP 0627778 A1 19941207 - OSAKA GAS CO LTD [JP]
- [X] EP 0585709 A1 19940309 - OSAKA GAS CO LTD [JP]
- [X] EP 0378812 A1 19900725 - ASEA BROWN BOVERI [CH]
- See references of WO 2005097311A1

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WO 2005097311 A1 20051020; CA 2563387 A1 20051020; EP 1747061 A1 20070131; EP 1747061 A4 20080319; JP 2007533435 A 20071122; JP 5567251 B2 20140806

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