

Title (en)
INTEGRATED SOLID OXIDE FUEL CELL SYSTEM

Title (de)
BRENNSTOFFZELLENSYSTEM MIT INTEGRIERTEM FESTSTOFFOXID

Title (fr)
DISPOSITIF DE PILE A COMBUSTIBLE A OXYDE SOLIDE INTEGRE

Publication
EP 1382079 A2 20040121 (EN)

Application
EP 02728838 A 20020419

Priority
• US 0212315 W 20020419
• US 83866101 A 20010419
• US 84553101 A 20010430

Abstract (en)
[origin: WO02087052A2] An integrated solid oxide fuel cell (SOFC) system (10) includes a solid oxide fuel cell subassembly (16) having a fuel cell stack (90) fluidly interconnected with a distribution manifold (92). A waste energy recovery subassembly (14) includes a heat exchanger (54) and combustion zone (52). The waste energy recovery subassembly (14) is fluidly interconnected with the distribution manifold (92). A reformer subassembly (12) is fluidly connected to the waste energy recovery subassembly (14).

IPC 1-7
H01M 8/04; **H01M 8/06**; **H01M 8/10**; **H01M 8/12**; **H01M 8/18**

IPC 8 full level
H01M 8/02 (2006.01); **H01M 8/04** (2006.01); **H01M 8/10** (2006.01); **H01M 8/18** (2006.01); **H01M 8/24** (2006.01); **H01M 8/06** (2006.01); **H01M 8/12** (2006.01)

IPC 8 main group level
H02J (2006.01)

CPC (source: EP US)
H01M 8/0297 (2013.01 - US); **H01M 8/04074** (2013.01 - EP); **H01M 8/04225** (2016.02 - EP US); **H01M 8/04302** (2016.02 - EP US); **H01M 8/241** (2013.01 - US); **H01M 8/2432** (2016.02 - EP); **H01M 8/04022** (2013.01 - EP); **H01M 8/0612** (2013.01 - EP); **H01M 2008/1293** (2013.01 - EP); **H01M 2250/405** (2013.01 - EP); **Y02B 90/10** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

Designated contracting state (EPC)
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WO 02087052 A2 20021031; **WO 02087052 A3 20030619**; AU 2002258864 A1 20021105; EP 1382079 A2 20040121; EP 1382079 A4 20080102

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