

國立台灣大學技術行銷表

台大案號: _____ (由產學組填寫)

產學合作中心聯絡人：

電話：

e-mail：

產品/技術名稱	燃料電池外接模組
發明人/單位	韋文誠、張智淵/ 台大材料系
產品/技術說明	一種玻璃模板，具有氣體管線設計，電流收集之電路設計，以及管線鋪設設計，使用於中溫(500-650°C)發電組件間，提供氣體、燃料之流動管道，及具有收集電流之特徵。
應用範圍	固態燃料電池之連接模組
產品/技術優勢	相較於高溫金屬外接模組，價格應該較低，壽命較長。
市場潛力	和燃料電池市場需求相關
產品/技術 智財權保護方式	已經申請專利保護

Marketing Abstract of NTU's Invention Disclosure

NTU's docket no: _____ (由技轉室填寫)

TTO contact :

Tel :

e-mail :

Title	Interconnecting Module of solid oxide fuel cell
Inventor (s)	Wen-Cheng J. Wei and Simon Chang
Brief Description	A glass module, which consists of the designs of gas channels, the circuit of electric current collection, and various signal lines, is disclosed and used for the inter-connection of intermediate solid oxide fuel cells. The module provides the channels of fuel/air and current collection.
Fields of Application	Inter-connectors of solid oxide fuel cells
Advantages	Crofer 22 (an alloy) and stainless steel are currently used as the housing and inter-connectors for the fuel cells. The invented glass module should have lower cost due to easy of production and longer life time at operation temperatures (500-650°C)
Market Potential	Solid oxide fuel cells
IP Right(s)	(由技轉室填寫)