

國立台灣大學技術行銷表

台大案號: 06A-091111 (由產學組填寫)

產學合作中心聯絡人:

電話:

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產品/技術名稱	高性能電流收集板
發明人/單位	吳乃立、吳憲昌/化工系
產品/技術說明	鋁質電流收集板，可用於電化學儲能元件，包含鋰離子電池及超高電容器等，具高導電表面鍍膜，增加活性層附著力，降低整體元件阻抗，提高元件電力輸出功率
應用範圍	鋰離子電池、鋁箔電容器、超高電容器
產品/技術優勢	與傳統鋁箔電流收集板，本發明具高導電表面鍍膜，增加活性層附著力，降低整體元件阻抗，提高元件電力輸出功率
市場潛力	預估有可達每年新台幣數千萬以上的市場潛力
產品/技術 智財權保護方式	

Marketing Abstract of NTU's Invention Disclosure

NTU's docket no: _____ (由技轉室填寫)

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Title	High performance current collector
Inventor (s)	Nae-Lih Wu, Hsien-Chang Wu/Department of Chmical Engineering
Brief Description	(\leq 100 words of non-confidential information) The current invention can be used as current collector in the electrochemical energy storage devices, such as Li-ion batteries and supercapacitors. It contains a highly conductive surface coating that can improve the adhesion of active layer and reduce device resistance so as to enhance the overall power performance of the device.
Fields of Application	Li-ion batteries, electrolytic capacitors, supercapacitors
Advantages	(when compared to the existing technologies) Compared with conventional Al current collector, the invention can improve the adhesion of active layer and reduce device resistance so as to enhance the overall power performance of the device.
Market Potential	The product has the market potential of more than >10,000,000 NTD/yr.
IP Right(s)	