

國立台灣大學技術行銷表

台大案號: 06A-100513

產學合作中心聯絡人: 電話: e-mail:

產品/技術名稱	雙變形能力之自復位消能支撐裝置
發明人/單位	周中哲、陳映全/台大土木學系
產品/技術說明	本發明使自復位消能支撐裝置擁有雙變形能力，藉由安裝此支撐裝置，建築物可消能並減少地震對建築物所造成的殘餘變形。此裝置由兩組拉伸構件與三組壓力構件組成，增加傳統支撐系統之變形能力。
應用範圍	建築物
產品/技術優勢	傳統自復位消能支撐只有一組拉伸構件與兩組壓力構件在受力下變形，本發明藉由改變構件的組成，以增加構件的變形與能量消釋能力，可適用於更多不同的建築物。
市場潛力	增加建築物的抗震能力，及減少震後修補的費用，極具市場潛力
產品/技術 智財權保護方式	

Marketing Abstract of NTU's Invention Disclosure

NTU's docket no: _____ (由產學合作中心填寫)

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Title	Re-centering Energy Dissipative Brace Device with Double Deformation Capacity
Inventor (s)	Chung-Che Chou/Department of Civil Engineering, National Taiwan University Ying-Chuan Chen/Department of Civil Engineering, National Taiwan University
Brief Description	The present invention generally relates a re-centering energy dissipative brace device with double deformation capacity. The brace device may be installed in a building to dissipate seismic energy and minimize residual deformations related to earthquake load imposed on the structure. The device has two sets of tension elements and three sets of compression elements to increase the deformation capacity of the traditional brace device.
Fields of Application	Buildings
Advantages	The traditional re-centering brace has only a set of tension element and two sets of compression elements to dissipate seismic energy under earthquake loads. The present invention uses different details to double the deformation and energy dissipative capacities of the structure. This invention allows the brace applicable to more different kinds of buildings.
Market Potential	This invention increases the seismic capacity in buildings and reduces the cost for repairing after earthquakes, so the market potential is high.
IP Right(s)	