

Title (en)
QUICK RECHARGE ENERGY STORAGE DEVICE, IN THE FORM OF THIN FILMS

Title (de)
SCHNELL AUFLADBARE DÜNNFILM-ENERGIESPEICHERANORDNUNG

Title (fr)
DISPOSITIF DE STOCKAGE D'ENERGIE A RECHARGE RAPIDE, SOUS FORME DE FILMS MINCES

Publication
EP 1543533 A2 20050622 (FR)

Application
EP 02793171 A 20021021

Priority
• FR 0203588 W 20021021
• FR 0113568 A 20011022

Abstract (en)
[origin: FR2831318A1] A thin film energy store has a micro battery (1) and series connected micro super capacitances (7a-c) superimposed in thin film technology on the same substrate with the same electrolyte and separated by an insulating layer connected across the terminals of an integrated circuit (13) that controls charging from an external source (14).

IPC 1-7
H01G 9/00

IPC 8 full level
H01G 9/28 (2006.01); **H01G 4/40** (2006.01); **H01G 9/00** (2006.01); **H01G 9/025** (2006.01); **H01G 9/155** (2006.01); **H01M 10/38** (2006.01); **H01M 10/44** (2006.01)

CPC (source: EP US)
H01G 4/40 (2013.01 - US); **H01G 11/08** (2013.01 - EP US); **H01G 11/10** (2013.01 - EP US); **H01G 11/26** (2013.01 - EP US); **H01G 11/72** (2013.01 - EP US); **H01G 11/82** (2013.01 - EP US); **H01G 4/40** (2013.01 - EP); **Y02E 60/13** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP)

Citation (search report)
See references of WO 03036670A2

Cited by
US9583277B2; US9831533B2; US9564275B2; US10153094B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

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