

Title (en)

STAGED ENERGY STORAGE SYSTEM FOR IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR

Title (de)

MEHRSTUFIGES ENERGIESPEICHERSYSTEM FÜR EINEN IMPLANTIERBAREN KARDIOVERTIERER-DEFIBRILLATOR

Title (fr)

SYSTEME DE STOCKAGE D'ENERGIE A ETAGES MULTIPLES POUR DEFIBRILLATEUR IMPLANTABLE A SYNCHRONISATION AUTOMATIQUE

Publication

EP 0751805 A4 19981111 (EN)

Application

EP 96903577 A 19960119

Priority

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- US 48676095 A 19950607

Abstract (en)

[origin: WO9622811A1] A staged energy storage system (40) provides electrical energy to an implantable cardioverter defibrillator device by using the combination of a first stage energy source (45), and a second stage energy concentration system (50). The second stage energy concentration system (50) allows for either a lower density and/or lower voltage energy source to be used as the first stage energy source (45), thereby decreasing the battery cost, size and weight, or alternatively, for multiple closely spaced countershock pulses to be delivered. In one embodiment, the second stage energy concentration system (50) comprises a rechargeable battery (50). In another embodiment, the second stage energy capacitor system (50) comprises a high energy density capacitor system.

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CPC (source: EP)

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Citation (search report)

- [AD] US 5372605 A 19941213 - ADAMS THEODORE P [US], et al
- [A] US 5369351 A 19941129 - ADAMS THEODORE P [US]
- See references of WO 9622811A1

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DOCDB simple family (publication)

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