

Title (en)

COMBINED STIMULATION OF VENTRAL AND DORSAL SACRAL ROOTS FOR CONTROL OF BLADDER FUNCTION

Title (de)

KOMBINIERTE REIZUNG VON VENTRALEN UND DORSALEN SAKRALEN WURZELN ZUR KONTROLLE DER BLASENFUNKTION

Title (fr)

STIMULATION COMBINEE DES RACINES SACREES VENTRALES ET DORSALES, DESTINEE A REGULER LA FONCTION VESICALE

Publication

EP 1113841 A1 20010711 (EN)

Application

EP 99951446 A 19990914

Priority

- US 9921049 W 19990914
- US 10054298 P 19980916

Abstract (en)

[origin: WO0015293A1] An apparatus and technique for controlling the bladder function of a patient by combined stimulation of the ventral and dorsal sacral roots. An electrode is implanted on the sacral motor nerves while a second electrode is implanted on the sacral sensory nerves, and the nerves are stimulated using quasitrapezoidal pulse trains to selectively activate and void the bladder. The technique makes it unnecessary to perform a dorsal rhizotomy.

IPC 1-7

A61N 1/36

IPC 8 full level

A61N 1/36 (2006.01)

CPC (source: EP)

A61N 1/36007 (2013.01)

Citation (search report)

See references of WO 0015293A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0015293 A1 20000323; AU 6388599 A 20000403; AU 758611 B2 20030327; CA 2343928 A1 20000323; EP 1113841 A1 20010711

DOCDB simple family (application)

US 9921049 W 19990914; AU 6388599 A 19990914; CA 2343928 A 19990914; EP 99951446 A 19990914