

Title (en)
Demand cardiac stimulating apparatus.

Title (de)
Bedarfsherzschrittmacher.

Title (fr)
Stimulateur cardiaque réagissant sur demande.

Publication
EP 0000988 A1 19790307 (DE)

Application
EP 78300242 A 19780803

Priority
• GB 3491477 A 19770819
• US 91712978 A 19780619

Abstract (en)
Oscillator pulses are coupled to a counter (2), the ultimate count interval of which causes an output amplifier (3) to produce a stimulating pulse and also to reset itself. A refractory control flip-flop (13) is also thereby reset, and blocks demand mode resetting pulses for the refractory period. A second counter (9) is resettable by the input amplifier, and defines a count interval during which noise pulses are rejected. A second flip-flop (11) is responsive to the second counter and to the refractory flip-flop selectively to reset the first counter based on demand pacing criteria.

IPC 1-7
A61N 1/36

IPC 8 full level
A61N 1/365 (2006.01)

CPC (source: EP)
A61N 1/365 (2013.01)

Citation (search report)
• US 3557796 A 19710126 - KELLER JOHN W JR, et al
• LU 76880 A1 19770712
• FR 2329007 A1 19770520 - ARCO MED PROD CO [US]

Cited by
EP0011938A3; FR2440198A1; EP0011939A3; FR2443845A1

Designated contracting state (EPC)
DE FR GB NL SE

DOCDB simple family (publication)
EP 0000988 A1 19790307; EP 0000988 B1 19820526; AU 3895978 A 19800221; CA 1098589 A 19810331; DE 2861865 D1 19820715

DOCDB simple family (application)
EP 78300242 A 19780803; AU 3895978 A 19780816; CA 309560 A 19780817; DE 2861865 T 19780803