

Title (en)
PEAK FLOW MONITORING DEVICE

Title (de)
SPITZEN-DURCHFLUSSMESSER

Title (fr)
DISPOSITIF DE CONTROLE DU DEBIT EXPIRATOIRE MAXIMAL

Publication
EP 0830080 A1 19980325 (EN)

Application
EP 96919898 A 19960524

Priority
• GB 9601251 W 19960524
• ZA 954263 A 19950525
• ZA 959506 A 19951109

Abstract (en)
[origin: WO9637147A1] Portable peak expiratory flow rate (PEFR) monitoring devices are known that use whistles or reeds that are threshold-activated in order to register PEFR. This invention provides a PEFR monitoring device including a threshold-activated reed (16) located in an outlet formed in a body. The body comprises inlet and outlet body shells (12, 14) that are interengageable with one another in a plurality of rotational positions of the shells relatively to one another. A vent opening (26) extends axially along the length of the outlet shell (14). The inlet shell (12) includes a mouthpiece (18) that extends into a cylindrical occluder (20), the upper edge (20.1) of which is spirally shaped. When the shells are interengaged, the occluder (20) extends into the outlet shell to occlude the vent to a greater or lesser extent, depending on the rotational position of the shells (12, 14), thereby to direct a greater or lesser proportion of the flow through the reed assembly (16). The body shells (12, 14) that are lockable to one another to set the vent outlet size, normally in accordance with a predetermined treatment protocol.

IPC 1-7
A61B 5/087

IPC 8 full level
G01F 1/00 (2006.01); **A61B 5/08** (2006.01); **A61B 5/087** (2006.01)

CPC (source: EP)
A61B 5/0871 (2013.01); **A61B 5/411** (2013.01)

Citation (search report)
See references of WO 9637147A1

Designated contracting state (EPC)
BE DE ES FR GB IT SE

DOCDB simple family (publication)
WO 9637147 A1 19961128; AU 5826696 A 19961211; AU 697792 B2 19981015; BR 9608900 A 19991214; CA 2221998 A1 19961128; EP 0830080 A1 19980325; HU P9802668 A2 19990329; HU P9802668 A3 19990528; JP H11505741 A 19990525; MX 9709084 A 19981031; PL 323501 A1 19980330

DOCDB simple family (application)
GB 9601251 W 19960524; AU 5826696 A 19960524; BR 9608900 A 19960524; CA 2221998 A 19960524; EP 96919898 A 19960524; HU P9802668 A 19960524; JP 53550796 A 19960524; MX 9709084 A 19971125; PL 32350196 A 19960524