



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|---|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| X | US 5 795 287 A (BALL ET AL) 18 August 1998 (1998-08-18) * column 2, line 45 - line 61; figures 1,2 * | 1 | A61B5/00 |
| Y | ----- | 4-7 | |
| Y | GB 2 134 689 A (* NATIONAL RESEARCH DEVELOPMENT CORPORATION) 15 August 1984 (1984-08-15) * page 1, line 84 - line 91; figure 1 * ----- | 4-7 | |
| | | | TECHNICAL FIELDS SEARCHED (IPC) |
| | | | A61F A61M G10K H04R |
| The supplementary search report has been based on the last set of claims valid and available at the start of the search. | | | |
| Place of search Berlin | | Date of completion of the search 18 January 2006 | Examiner Olsson, B |
| CATEGORY OF CITED DOCUMENTS | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |
| X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | | |

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 79 9247

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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18-01-2006

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
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| US 5795287 | A | 18-08-1998 | NONE | |
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| GB 2134689 | A | 15-08-1984 | NONE | |
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|---------------|---|---------|------------|
| 专利名称(译) | 用于治疗单频耳鸣的方法和设备 | | |
| 公开(公告)号 | EP1463444A4 | 公开(公告)日 | 2006-03-15 |
| 申请号 | EP2002799247 | 申请日 | 2002-12-13 |
| 申请(专利权)人(译) | TINNITUS控制公司 | | |
| 当前申请(专利权)人(译) | TINNITUS控制公司 | | |
| [标]发明人 | CHOY DR DANIEL S J | | |
| 发明人 | CHOY, DR. DANIEL S. J. | | |
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| CPC分类号 | G10K11/178 A61B5/128 A61F11/00 A61M21/00 A61M2021/0027 H04R25/00 H04R25/75 | | |
| 代理机构(译) | FREEMAN, 杰奎琳CAROL | | |
| 优先权 | 10/319281 2002-12-12 US 60/340271 2001-12-18 US 10/085088 2002-03-01 US | | |
| 其他公开文献 | EP1463444A2 EP1463444B1 | | |
| 外部链接 | Espacenet | | |

摘要(译)

利用外部产生的音调实现患者的单频耳鸣音调的相互噪声消除，该音调由单频耳鸣患者主观地定义，以匹配他/她的频率和幅度的耳鸣音调。通过耳机或扬声器系统首先向耳鸣患者施加外部产生的声波，通过患者的主观观察选择性地指定以匹配患者的耳鸣音，然后相同的外部产生的声波通过多个角度顺序地相移。移动序列步骤以使外部声波移动或滑动通过所产生的信号的至少180度相移，因为它被施加到患者以实现患者耳鸣音调的一系列减少并且在这些移位步骤之一中是互逆的，取消与患者耳鸣音的关系。外部产生的声波的耳鸣处理序列然后相移外部产生的音调实现了患者的耳鸣音调的消除，因为所产生的音调的连续步骤实际上滑过耳鸣声波，导致耳鸣音调的消除。通过重放患者治疗过程的顺序相移片段，患者可以在患者自我治疗过程中利用先前记录的序列。

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| Place of search | Date of completion of the search | Classifier | |
| Berlin | 18 January 2006 | 01sson, B | |
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