

# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number  
EP 15 84 2322

| 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 5 335 654 A (RAPOPORT DAVID M [US])<br>9 August 1994 (1994-08-09)                                                                                               | 1,12-14                                           | INV.<br>A61B5/087<br>A61B5/00<br>A61M16/00 |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | * column 2, lines 53-57 *<br>* column 4, line 36 - column 5, line 3 *<br>* column 5, lines 30-57 *<br>* figures 1-5,9,10 *                                         | 2-11,15                                           |                                            |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -----<br>US 2004/123866 A1 (BERTHON-JONES MICHAEL [AU]) 1 July 2004 (2004-07-01)<br>* paragraphs [0021], [0024], [0140] - [0143], [0151], [0152], [0213], [0217] * | 2-9                                               |                                            |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -----<br>US 5 483 969 A (TESTERMAN ROY L [US] ET AL) 16 January 1996 (1996-01-16)<br>* column 9, line 60 - column 11, line 25 *                                    | 2-9,15                                            |                                            |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -----<br>US 2006/037614 A1 (MADAUS STEFAN [DE] ET AL) 23 February 2006 (2006-02-23)<br>* paragraphs [0008], [0010], [0011], [0040], [0049], [0050] *               | 10,11                                             |                                            |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -----<br>US 2008/082018 A1 (SACKNER MARVIN A [US] ET AL) 3 April 2008 (2008-04-03)<br>* paragraph [0059] *                                                         | 15                                                | TECHNICAL FIELDS<br>SEARCHED (IPC)<br>A61M |
| 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<br>Munich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                    | Date of completion of the search<br>29 March 2018 | Examiner<br>Louarn, Arzhur                 |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons<br/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                                                    |                                                   |                                            |

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

EP 15 84 2322

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  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-03-2018

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|----------------|-------------------------------------------------------------------------------------------------|---------|------------|
| 专利名称(译)        | 用于在睡眠呼吸紊乱期间检测吸气流量限制的方法                                                                          |         |            |
| 公开(公告)号        | <a href="#">EP3193713A4</a>                                                                     | 公开(公告)日 | 2018-05-16 |
| 申请号            | EP2015842322                                                                                    | 申请日     | 2015-09-17 |
| [标]申请(专利权)人(译) | 德维尔比斯保健有限责任公司                                                                                   |         |            |
| 申请(专利权)人(译)    | DEVILBISS HEALTHCARE LLC                                                                        |         |            |
| 当前申请(专利权)人(译)  | DEVILBISS HEALTHCARE LLC                                                                        |         |            |
| [标]发明人         | KNEPPER MICHAEL B<br>LAUER JEFFREY J                                                            |         |            |
| 发明人            | KNEPPER, MICHAEL B.<br>LAUER, JEFFREY J.                                                        |         |            |
| IPC分类号         | A61B5/087 A61B5/00 A61M16/00                                                                    |         |            |
| CPC分类号         | A61M16/0069 A61B5/087 A61B5/4836 A61M16/024 A61M2016/0027 A61M2016/0036 A61M2205/52 A61M2230/46 |         |            |
| 优先权            | 14/489552 2014-09-18 US                                                                         |         |            |
| 其他公开文献         | EP3193713A1<br>EP3193713B1                                                                      |         |            |
| 外部链接           | <a href="#">Espacenet</a>                                                                       |         |            |

## 摘要(译)

在CPAP呼吸治疗机中实现的特征，以确定患者是否患有流量限制条件，如果是，则改变CPAP机器的操作以试图缓解该状况。

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|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Application Number<br>EP 15 84 2322                                                                                                                                                                                                                                                                                                  |                                            |
| SUPPLEMENTARY<br>EUROPEAN SEARCH REPORT                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                      |                                            |
| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                      |                                            |
| Category                                                                                                                   | Citation of document with indication, where appropriate, of relevant passages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Relevant to prior art                                                                                                                                                                                                                                                                                                                | CLASSIFICATION OF THE APPLICATION (IPC)    |
| X                                                                                                                          | US 5 335 654 A (BAPOPORT DAVID M [US])<br>9 August 1994 (1994-08-09)<br>* column 2, lines 53-57<br>* column 4, line 36 - column 5, line 3 =<br>* column 5, lines 30-57<br>* figures 1-5, 9-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1,12-14<br>2-11,15                                                                                                                                                                                                                                                                                                                   | INV.<br>A61B5/087<br>A61B5/00<br>A61M16/00 |
| Y                                                                                                                          | US 2004/123866 A1 (BERTHON-JONES MICHAEL [AU]) 1 July 2004 (2004-07-01)<br>* paragraphs [0021], [0024], [0140], [0143], [0151], [0152], [0215], [0217]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2-9                                                                                                                                                                                                                                                                                                                                  |                                            |
| Y                                                                                                                          | US 5 483 969 A (TESTERMAN ROY L [US] ET AL) 16 January 1996 (1996-01-16)<br>* column 9, line 66 - column 11, line 25 =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2-9,15                                                                                                                                                                                                                                                                                                                               |                                            |
| Y                                                                                                                          | US 2006/037614 A1 (MADANS STEFAN [DE] ET AL) 23 February 2006 (2006-02-23)<br>* paragraphs [0008], [0010], [0011], [0040], [0049], [0056]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10,11                                                                                                                                                                                                                                                                                                                                |                                            |
| Y                                                                                                                          | US 2008/082018 A1 (SACKNER MARVIN A [US] ET AL) 3 April 2008 (2008-04-03)<br>* paragraph [0059]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 15                                                                                                                                                                                                                                                                                                                                   | A61M                                       |
| The supplementary search report page herein based on the text of the cited documents as published in the state of the art. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                      |                                            |
| 1                                                                                                                          | Name of applicant<br>Munich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date of completion of the search<br>29 March 2016                                                                                                                                                                                                                                                                                    | Examiner<br>Louath, Arzhur                 |
| CATEGORY OF CITED DOCUMENTS                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                      |                                            |
| 2                                                                                                                          | 1. particularly relevant if before above date of filing of the application<br>2. relevant if before above date with another date of filing of the application<br>3. relevant if before above date of filing of the application<br>4. relevant if before above date of filing of the application<br>5. relevant if before above date of filing of the application<br>6. relevant if before above date of filing of the application<br>7. relevant if before above date of filing of the application<br>8. relevant if before above date of filing of the application<br>9. relevant if before above date of filing of the application<br>10. relevant if before above date of filing of the application | 1. highly relevant to the prior art<br>2. relevant to the prior art<br>3. relevant to the prior art<br>4. relevant to the prior art<br>5. relevant to the prior art<br>6. relevant to the prior art<br>7. relevant to the prior art<br>8. relevant to the prior art<br>9. relevant to the prior art<br>10. relevant to the prior art |                                            |