



| 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 5 689 241 A (CLARKE SR JAMES RUSSELL [US] ET AL) 18 November 1997 (1997-11-18)          | 1,2,4,5, 7-10,14, 15                                       | INV. A61B5/00                           |
| Y  | * column 6, lines 40-67; claims 1,6 *<br>-----   | 3  |   |
| X  | US 5 402 109 A (MANNIK KALLIS H [US]) 28 March 1995 (1995-03-28)                           | 1,2,4,5, 8-10,15   |   |
| Y  | * columns 5-6; claim 1 *<br>-----  | 3  |   |
| X  | GB 2 285 681 A (TERRY ROBERT JOSEPH [GB]) 19 July 1995 (1995-07-19)                        | 1,2,4,5, 8-10,15   |   |
| Y  | * page 2; claims 1-3 *<br>-----  | 3  |   |
| X  | EP 0 908 860 A (CEBOLLAS Y DERIVADOS S L [ES]; ADT ESPANA [ES]) 14 April 1999 (1999-04-14) | 1,2,4,5, 8-10,15   |   |
| Y  | * paragraphs [0018], [0019]; claims 1,3 *<br>-----   | 3  |   |
| X  | US 6 087 941 A (FERRAZ MARK [US]) 11 July 2000 (2000-07-11)                                | 1,2,4,5, 7,9,10, 14,15                                     |   |
|  | * columns 3-5; claim 1 *<br>-----  |  | TECHNICAL FIELDS SEARCHED (IPC)         |
| X  | US 5 585 785 A (GWIN RONNIE [US] ET AL) 17 December 1996 (1996-12-17)                      | 1,5,7,9, 10,14,15  | A61B                                    |
| Y  | * column 3, lines 4-61; claim 1 *<br>-----   | 3  |   |
| X  | US 5 570 698 A (LIANG CHENG-CHUNG [US] ET AL) 5 November 1996 (1996-11-05)                 | 1,2,4,5, 8-10,15   |   |
|  | * columns 4-5; claim 1 *<br>-----  |  |   |
| Y  | US 6 265 978 B1 (ATLAS DAN [IL]) 24 July 2001 (2001-07-24)                                 | 3  |   |
| A  | * the whole document *<br>-----  | 1,2,4-15   |   |
| 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><b>Munich</b>   |  | Date of completion of the search<br><b>3 December 2007</b> | Examiner<br><b>Chopinad, Marjorie</b>   |
| <b>CATEGORY OF CITED DOCUMENTS</b><br>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<br>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>.....<br>& : member of the same patent family, corresponding document |  |  |   |

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

EP 03 74 2752

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.

03-12-2007

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) |  | Publication<br>date |
|---|----|---------------------|----------------------------|--|---------------------|
| US 5689241                                | A  | 18-11-1997          | NONE                       |  |                     |
| US 5402109                                | A  | 28-03-1995          | NONE                       |  |                     |
| GB 2285681                                | A  | 19-07-1995          | NONE                       |  |                     |
| EP 0908860                                | A  | 14-04-1999          | NONE                       |  |                     |
| US 6087941                                | A  | 11-07-2000          | NONE                       |  |                     |
| US 5585785                                | A  | 17-12-1996          | NONE                       |  |                     |
| US 5570698                                | A  | 05-11-1996          | DE 19621435 A1             |  | 05-12-1996          |
|   |    |                     | FR 2734701 A1              |  | 06-12-1996          |
| US 6265978                                | B1 | 24-07-2001          | NONE                       |  |                     |

|                |   |         |            |
|----------------|---|---------|------------|
| 专利名称(译)        | 用于监视和管理驾驶员注意力负载的系统和方法   |         |            |
| 公开(公告)号        | <a href="#">EP1478268A4</a>   | 公开(公告)日 | 2008-05-14 |
| 申请号            | EP2003742752  | 申请日     | 2003-02-19 |
| [标]申请(专利权)人(译) | 沃尔沃技术公司   |         |            |
| 申请(专利权)人(译)    | VOLVO科技股份有限公司   |         |            |
| 当前申请(专利权)人(译)  | VOLVO科技股份有限公司   |         |            |
| [标]发明人         | VICTOR TRENT  |         |            |
| 发明人            | VICTOR, TRENT   |         |            |
| IPC分类号         | A61B3/113 A61B5/11 A61B5/18 G08B21/06 A61B5/00  |         |            |
| CPC分类号         | A61B3/113 A61B5/015 A61B5/11 A61B5/1103 A61B5/1114 A61B5/163 A61B5/18 B60K35/00 B60K2370/191 B60K2370/338 B60T2201/022 B60T2201/08 B60T2201/086 B60W40/09 B60W50/14 B60W2040/0827 B60W2540/22 G06K9/00845 G08B21/06 |         |            |
| 优先权            | 60/357135 2002-02-19 US<br>60/418171 2002-10-15 US  |         |            |
| 其他公开文献         | EP1478268A1<br>EP1478268B1  |         |            |
| 外部链接           | <a href="#">Espacenet</a>   |         |            |

## 摘要(译)

本发明涉及一种借助于至少一个碰撞警告系统辅助驾驶员的方法，该方法包括以下步骤：基于驾驶员的头部和/或眼睛运动测量驾驶员的视觉活动；根据测量的视觉活动评估驾驶员对驾驶任务的关注程度；并且将所述至少一个碰撞警告系统的警告阈值调整到所评估的驾驶员的注意力水平。

| 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 5 689 241 A (CLARKE SR JAMES RUSSELL [US] ET AL) 18 November 1997 (1997-11-18)          | 1,2,4,5, 7-10, 14, 15            | INV. A61B5/00                           |
| Y  | * column 6, lines 40-67; claims 1,6 *  |                                  |   |
| X  | US 5 402 109 A (MANNIK KALLIS H [US]) 28 March 1995 (1995-03-28)                           | 1,2,4,5, 8-10, 15                |   |
| Y  | * columns 5-6; claim 1 *   |                                  |   |
| X  | GB 2 285 681 A (TERRY ROBERT JOSEPH [GB]) 19 July 1995 (1995-07-19)                        | 1,2,4,5, 8-10, 15                |   |
| Y  | * page 2; claims 1-3 *   |                                  |   |
| X  | EP 0 968 860 A (CEBOLLAS Y DERIVADOS S L [ES]; ADT ESPANA [ES]) 14 April 1999 (1999-04-14) | 1,2,4,5, 8-10, 15                |   |
| Y  | * paragraphs [0018], [0019]; claims 1,3 *  | 3                                |   |
| X  | US 6 087 941 A (FERRAZ MARK [US]) 11 July 2000 (2000-07-11)                                | 1,2,4,5, 7,9,10, 14,15           |   |
| Y  | * columns 3-5; claim 1 *   |                                  |   |
| X  | US 5 585 785 A (GWIN RONNIE [US] ET AL) 17 December 1996 (1996-12-17)                      | 1,5,7,9, 10,14,15                | A61B                                    |
| Y  | * column 3, lines 4-61; claim 1 *  |                                  |   |
| X  | US 5 570 698 A (LIANG CHENG-CHUNG [US] ET AL) 5 November 1996 (1996-11-05)                 | 1,2,4,5, 8-10, 15                |   |
| Y  | * columns 4-5; claim 1 *   |                                  |   |
| Y  | US 6 265 978 B1 (ATLAS DAN [IL]) 24 July 2001 (2001-07-24)                                 | 3                                |   |
| A  | * the whole document *   | 1,2,4-15                         |   |
| 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  |  | Date of completion of the search | Examiner                                |
| Munich   |  | 3 December 2007                  | Chopinoud, Marjorie                     |
| CATEGORY OF CITED DOCUMENTS  |  |                                  |   |
| X: particularly relevant if taken alone  |  |                                  |   |
| Y: particularly relevant if considered with another document of the same category  |  |                                  |   |
| A: technological background  |  |                                  |   |
| P: prior art document  |  |                                  |   |
| I: non-written document  |  |                                  |   |
| D: intermediate document   |  |                                  |   |
| 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  |  |                                  |   |
| A: member of the same patent family, corresponding document  |  |                                  |   |