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(54) Title: SECURED DATA COMMUNICATION IN A NETWORKED COMPUTER SYSTEM FOR PROVIDING OPTICAL LENSES

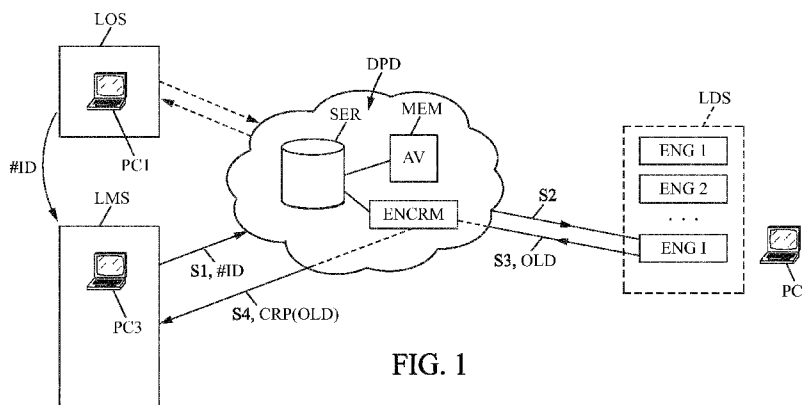


FIG. 1

(57) Abstract: The invention relates to the supply of an optical lens adapted to a wearer, comprising the steps of: a) receiving, directly or indirectly via a manufacturing side, from a first networked computer entity (PC1 ; PC3) located at a lens ordering side (LOS), a first set of data (S1), the first set of data (S1) comprising at least wearer's data and in particular wearer's prescription data, b) sending a second set of data (S2) comprising at least an optical lens design information and the wearer's prescription data to a second networked computer entity (PC2) located at a lens designing side (LDS), and receiving from the second networked computer entity (PC2) a third set of data (S3) comprising at least optical lens data (OLD) calculated from the second set (S2), and c) sending at least to a third networked computer entity (PC3), at a lens manufacturing side (LMS), a fourth set of data (S4) comprising at least a part of the optical lens data (OLD), the at least optical lens data (OLD) of the fourth set of data (S4) being at least partially modified by a masking function (ENCR).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X | US 7 020 697 B1 (GOODMAN MARINA [US] ET AL) 28 March 2006 (2006-03-28) paragraphs [0506] - [0508] , [0566] - [0569] , [0764] ; figure 4 ----- | 1-12 |
| X | Wo 01/99018 A1 (EVENTRA INC [US]) 27 December 2001 (2001-12-27) page 9, paragraph 2; figures 1,55 page 10, paragraph 2 page 44, paragraph 2 page 45, paragraph 2 ----- | 1-12 |
| X | US 7 716 077 B1 (MI KURAK MICHAEL G [US]) 11 May 2010 (2010-05-11) abstract; figure 2 page 15, paragraph 2; claim 12; figure 6 ----- -/- . | 1-12 |

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|---|
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|--|--|-----------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | US 2010/114780 A1 (TRIBE RAGLAN [GB] ET AL) 6 May 2010 (2010-05-06) paragraphs [0052], [0034]; figure 7 ----- | 1-12 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

| |
|--|
| International application No PCT/EP2012/071636 |
|--|

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|--|------------------|-------------------------|-----------------------------|
| US 7020697 | B1 | 28-03-2006 | US 7020697 B1 28-03-2006 |
| | | | US 2006059253 A1 16-03-2006 |
| ----- | | | |
| WO 0199018 | A1 | 27-12-2001 | AU 6868801 A 02-01-2002 |
| | | | US 2002069096 A1 06-06-2002 |
| | | | WO 0199018 A1 27-12-2001 |
| ----- | | | |
| US 7716077 | B1 | 11-05-2010 | NONE |
| ----- | | | |
| US 2010114780 | A1 | 06-05-2010 | EP 2050050 A2 22-04-2009 |
| | | | JP 2009545797 A 24-12-2009 |
| | | | US 2010114780 A1 06-05-2010 |
| | | | WO 2008015458 A2 07-02-2008 |
| ----- | | | |