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[Continued on next page]

(54) Title: ELECTRONIC BEACH UMBRELLA SYSTEM

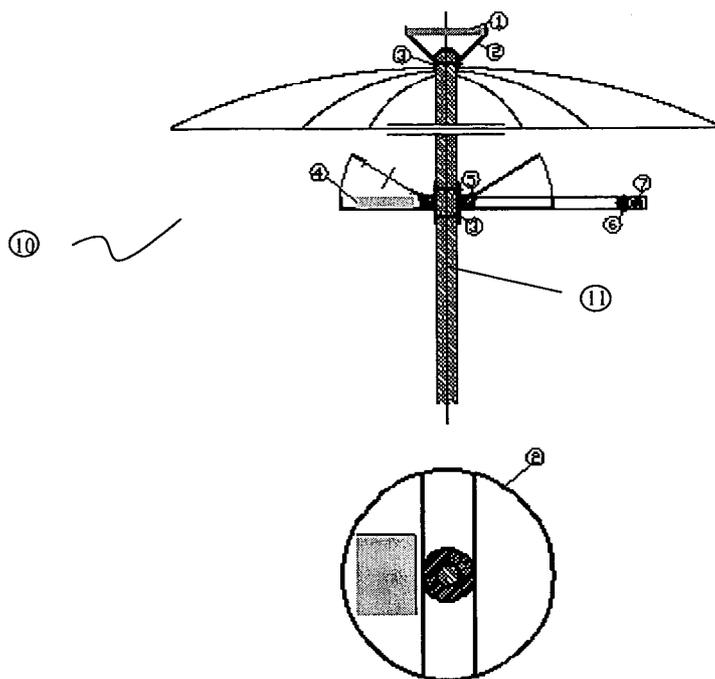


Fig. 1

(57) Abstract: Electronic beach umbrella system for use at bathing establishments, solariums, hotel and private structures, characterised by computerised terminals connected via wireless network with a central node and equipped with power supply by means of alternative energy, for example solar energy.



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## A. CLASSIFICATION OF SUBJECT MATTER

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A45B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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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. |
|-----------|--|-----------------------|
| Y         | DE 20 2006 002144 U1 (ZISLER STEPHAN [DE])<br>27 April 2006 (2006-04-27)<br>the whole document     | 1-17                  |
| Y         | EP 1 354 533 A (LLAMAS GARIJO JUAN MIGUEL [ES]) 22 October 2003 (2003-10-22)<br>the whole document | 1-17                  |
| A         | US 2005/161067 A1 (HOLLINS PHILLIP [US])<br>28 July 2005 (2005-07-28)<br>paragraph [0034]          | 1-17                  |
| A         | US 5 273 062 A (MOZDZANOWSKI PETER [US])<br>28 December 1993 (1993-12-28)<br>the whole document    | 1-17                  |

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|--|------------------|----------------------------------|--------------------------|
| DE 202006002144 U1                     | 27-04-2006       | NONE                             |                          |
| EP 1354533 A                           | 22-10-2003       | ES 1051598 U<br>US 2003192579 A1 | 01-09-2002<br>16-10-2003 |
| US 2005161067 A1                       | 28-07-2005       | WO 2005072209 A2                 | 11-08-2005               |
| US 5273062 A                           | 28-12-1993       | NONE                             |                          |