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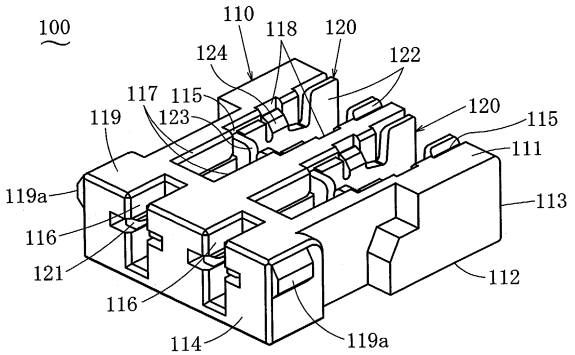
# (54) Socket connector

(57) A socket connector (100) is provided which enhances the strength against pulling-about of the wires (W) and enables reduction in the height of the connection structure. The socket connector (100) also enhances as high as possible the strength against the pulling-out of the wires (W). The socket connector (100) comprises a socket housing (110), which is provided with a wire insertion groove (115) that concaves from the bottom face (111) and with a receiving concaved part (116) that interconnects to the wire insertion groove (115) and opens to the bottom face (111), and a socket contact (120), which is inserted into the wire insertion groove (115) and comprises a contacting part (121). The contacting part (121) is arranged in the receiving concaved part (116) to contact the header contact (220). The socket connector (100) also includes an insulation barrel (122) and an insulation displacement slot (123), the socket connector (100) being so arranged that when the end of the wire (W) is pressed into the wire insertion groove (115) and insulation-displacement-connected to the slot (123), the insulation of the wire (W) is gripped by the insulation barrel (122) and the socket connector (100) is connected to the header connector (200) mounted on an object (P) for mounting, the wire insertion groove (115) of the socket housing (110) being blocked by the object (P) for mounting.

F I G. 1

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# EUROPEAN SEARCH REPORT

Application Number
EP 04 25 6876

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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
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TECHNICAL FIELDS SEARCHED (IPC)

H01R

The present search report has been drawn up for all claims

| Place of search | Date of completion of the search | Examiner |
|---|---|---|
| Munich | 29 January 2007 | WHITTINGTON, J |

CATEGORY OF CITED DOCUMENTS

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## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 04 25 6876

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