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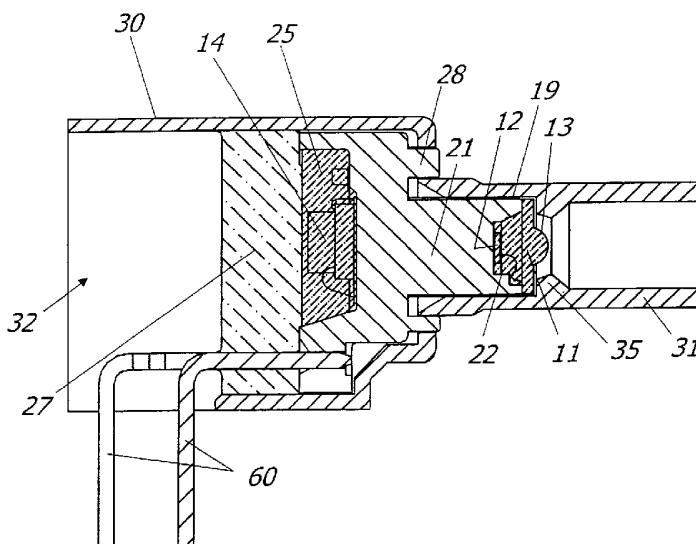
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[Continued on next page]

(54) Title: OPTICAL RECEPTACLE WITH LOW TRANSMISSION LOSS AND PHOTOELECTRIC CONVERSION MODULE FOR THE SAME



(57) Abstract: An optical receptacle with low transmission loss, which is connectable with an optical plug, is provided. The optical receptacle includes a photoelectric conversion module (10) having the capability of making photoelectric conversion between light signals and electrical signals, and a module housing (30). The photoelectric conversion module (10) is a molded interconnect device (MID), which is provided with a module body (20) having a post (21), an optical device (12) mounted on the post (21), and an electrical circuit (14) mounted on the module body (20). The module housing (30) has a tubular projection (31), into which an end of the optical fiber (100) supported by the optical plug can be inserted. When the optical plug is connected with an optical receptacle, the end of the optical fiber (100) is positioned in the tubular projection so as to be in a closely opposing relation to the optical device mounted on the post (21).

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

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Patent family members are listed in annex.

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