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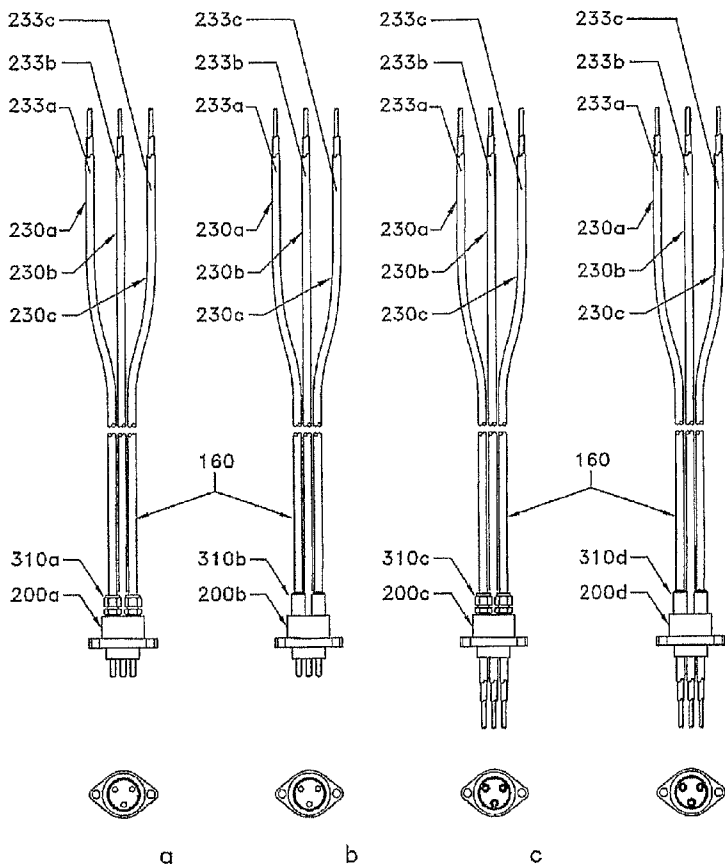
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(54) Title: ELECTRICAL CONNECTOR FOR CONDUCTIVE WIRES ENCAPSULATED IN PROTECTIVE TUBING



(57) Abstract: A connector for electrically and mechanically connecting insulated conductor wires (170a, 170b) encapsulate in protective tubing. Embodiments of the connector provide a protective outer sheathing (450) that circumscribe the conductive and insulating structures within the connector. The connector is formed with a plurality of tubular fitting assemblies (233a, 233b, 233c) for securely attaching the connector to down hole electrical power cables (170). The connector is also formed with an internal insulating boot (470) having an internal passage adapted to surround the conductive elements of the connector to provide a reliable down hole electrical connector.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/74674

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **H01R 4/60(2006.01)**

USPC: 439/191,192,194,195
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 439/191,192,194,195

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,781,607 (Rumbaugh) 01 November 1988 (01.11.1988), column 1-14	1-18
A	US 4,921,438 (Godfrey) 01 May 1990 (01.05.1990), column 1-24.	1-18
A	US 5,577,925 (Schmatzmeyer et. al.) 26 November 1996 (26.11.1996), column 1-12.	1-18

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:			
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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