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13153618.7 1 February 2013 (01.02.2013) EP(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY** [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).(72) Inventors: **GRAVERMANN, Mark**; Carl-Schurz-Strasse 1, 41453 Neuss (DE). **LOHMEIER, Gerhard**; Carl-Schurz-Strasse 1, 41453 Neuss (DE). **STALDER, Michael**; Carl-Schurz-Strasse 1, 41453 Neuss (DE). **BUSEMANN, Friedrich**; Carl-Schurz-Strasse 1, 41453 Neuss (DE). **WEICHOLD, Jens**; Carl-Schurz-Strasse 1, 41453 Neuss (DE). **SCHUBERT, Bernd**; Carl-Schurz-Strasse 1, 41453 Neuss (DE).(74) Agents: **ROSENBLATT, Gregg H.** et al.; 3M Center, Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).

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(54) Title: SLEEVE FOR A POWER CABLE

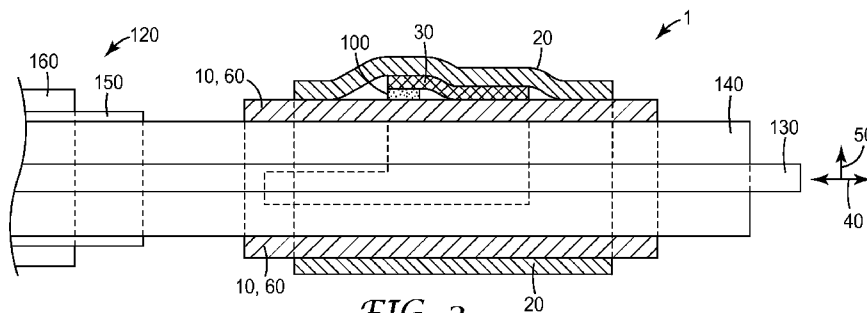


FIG. 2

(57) Abstract: Sleeve (1) for a high- or medium-voltage power cable (120) having an inner conductor (130). The sleeve comprises (i) a tubular sleeve body (10) having an electrically conductive or semiconductive first axial electrode section (60), and (ii) a circuit board (30). The sleeve is radially expandable or shrinkable. It can be arranged radially outward of the inner conductor, such that the first axial electrode section is radially separated from the inner conductor by at least an electrically insulating spacer layer (140). The circuit board is at least partially arranged radially outward of the sleeve body and comprises an electrical contact (100) which is electrically connected with the first axial electrode section.