



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 696 033 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
03.04.1996 Bulletin 1996/14

(51) Int. Cl.⁶: **H01B 7/00**

(43) Date of publication A2:
07.02.1996 Bulletin 1996/06

(21) Application number: **95111622.7**

(22) Date of filing: **24.07.1995**

(84) Designated Contracting States:
DE FR GB

(30) Priority: **03.08.1994 JP 182559/94**

(71) Applicant: **Sumitomo Wiring Systems, Ltd.**
Yokkaichi-City, Mie Pref. 513 (JP)

(72) Inventors:
• **Fujimoto, Terutsugu,**
c/o Sumitomo Wiring Sys. Ltd.
Yokkaichi-City, Mie-Pref. (JP)

• **Makoto, Higashikozono,**
c/o Sumitomo Wir. Sys., Ltd.
Yokkaichi-City, Mie-Pref. (JP)
• **Inoue, Hiroshi,**
c/o Sumitomo Wiring Sys., Ltd.
Yokkaichi-City, Mie-Pref. (JP)

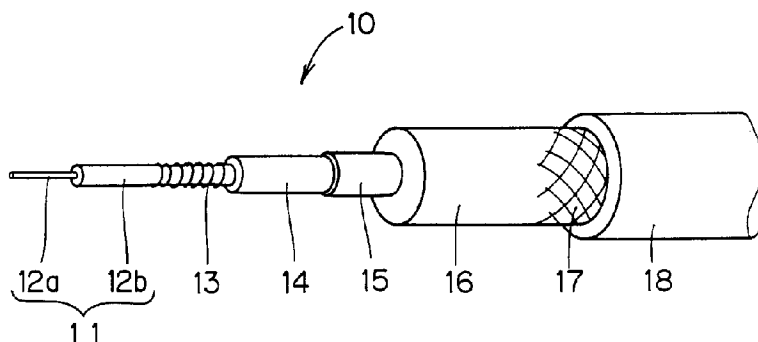
(74) Representative: **KUHNEN, WACKER & PARTNER**
Alois-Steinecker-Strasse 22
D-85354 Freising (DE)

(54) **Winding-type noise-suppressing high-tension resistive cord**

(57) There is disclosed a winding-type noise-suppressing high-tension resistive cord which includes a core (11) having a reinforcing string (12a) and a coating layer (12b) made of fluororubber for extrusion-coating the reinforcing string (12a), a resistance wire (13) coiled around the core (11), an internal semi-conductive layer (14) having a flat surface and made of semi-conductive fluororubber for extrusion-coating the core (11) around which the resistance wire (13) is coiled, a release layer (15) formed on the internal semi-conductive layer (14),

an insulating layer (16) for coating the release layer (15), a reinforcing braid (17) for coating the insulating layer (16), and a sheath (18) for coating the reinforcing braid (17), thereby establishing stable electrical connection to a terminal without the need to cause the resistance wire to resiliently dent the surface of the core and without reduction in withstand voltage if a conductor diameter is reduced for decrease in electrostatic capacity of the cord.

FIG. 1



EP 0 696 033 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 11 1622

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US-A-4 700 171 (COFFEY ET AL.) * column 2, line 7 - line 65; figure 1 * ---	1,4,7	H01B7/00
A	EP-A-0 329 188 (YAZAKI) * page 3, line 46 - line 58; figure 2 * ---	1,5-8	
P,A	EP-A-0 655 750 (SUMITOMO WIRING) * column 3, line 57 - column 4, line 57; figure 1 * -----	1,4-6,8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		8 February 1996	Demolder, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P04C01)