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[Continued on next page]

(54) Title: POWER CABLE

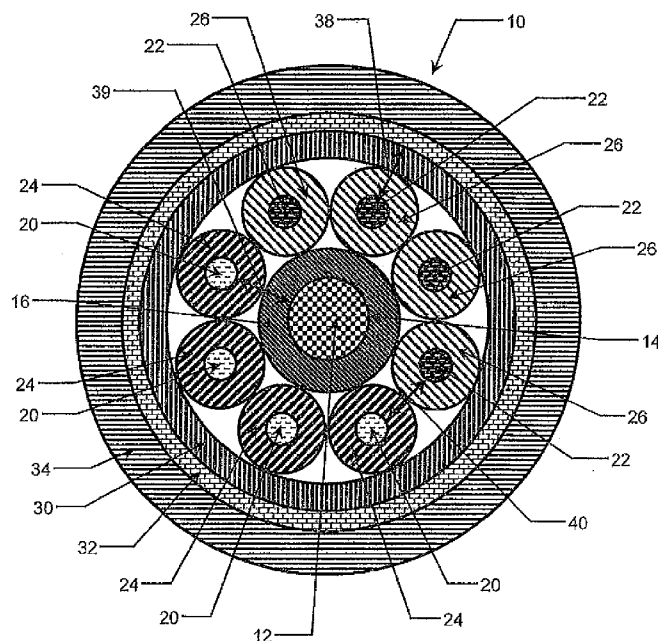


FIG - 1

(57) Abstract: An electrical power cable includes a central support or a ground conductor surrounded by an insulating material layer. An inner grounded shield is disposed on the support or on the ground conductor. A plurality of insulated line conductors and a plurality of insulated neutral conductors are circumferentially disposed in an annular arrangement about an insulation layer on the inner shield. The plurality of line and neutral conductors are disposed in various alternating single, double or triple conductor groups. The total cross-sectional area of all of the line conductors or all of the neutral conductors is substantially equal to the total cross-sectional area of a single large conductor of equivalent ampere rating. An outer shield is disposed about the line and neutral conductors and covered by an outer insulating layer.

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- *with international search report (Art. 21(3))*
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A. CLASSIFICATION OF SUBJECT MATTER***H01B 9/00(2006.01)i, H01B 9/02(2006.01)i, H01B 9/04(2006.01)i***

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)

H01B 9/00; H01B 5/08; H01B 7/18; H01B 7/00; H01B 9/02

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: cable, wire, conductor, ground, neutral, alternate

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A X	US 5864094 A1 (GRIFFIN; MICHAEL D.) 26 January 1999 See abstract, claims 1-30 and figures 1-4.	1-23 24, 25
A	US 2005-0072594 A1 (RICHARD GRAY) 07 April 2005 See abstract, claims 1-13 and figure 3.	1-25
A	US 2005-0167150 A1 (CHRISTOPH STUDER) 04 August 2005 See abstract, claims 1-5 and figures 1-2.	1-25
A	US 7180002 B2 (HARALD BERTGES et al.) 20 February 2007 See abstract, claims 1-5 and figure 1.	1-25



Further documents are listed in the continuation of Box C.



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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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