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(54) Title: INSULATION SYSTEM FOR PREVENTION OF CORONA DISCHARGE

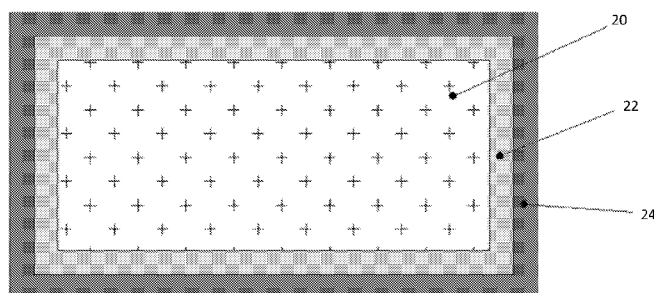


Fig. 2

(57) Abstract: Methods and systems for preventing corona discharge are provided. In one embodiment, an insulation system for a coil conductor comprising a grounded conductive or semi-conductive layer is molded over a primary insulation layer molded on coil conductor which limits the occurrence of voltage drop to the primary insulating layer is disclosed.

A. CLASSIFICATION OF SUBJECT MATTER***H01B 7/02(2006.01)i, H01B 17/60(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)

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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: insulation, conductor, and discharge

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005-0204544 A1 (THOMAS AISENBREY) 22 September 2005 See the abstract; figs. 1-6; paragraphs [0030]-[0073].	1-26
A	US 2006-0255678 A1 (HUNG DU et al.) 16 November 2006 See the abstract; figs. 1-37; paragraphs [0079]-[0142].	1-26
A	US 2002-0047268 A1 (MATS LEIJON et al.) 25 April 2002 See the abstract; figs. 5-6; paragraphs [0103]-[0115].	1-26



Further documents are listed in the continuation of Box C.



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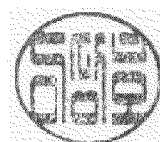
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