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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2019/055251**A. CLASSIFICATION OF SUBJECT MATTER****H04B 10/079(2013.01)i, H04B 10/564(2013.01)i, G02B 6/44(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)

H04B 10/079; H02J 3/00; H02M 5/293; H04B 3/44; H04J 14/00; H04J 14/02; H04J 3/16; H04M 19/08; H04W 52/22; H04B 10/564; G02B 6/44

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: container, conduit, power distribution, data, internal cavity, monitoring, housing

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2017-074669 A1 (CCS TECHNOLOGY, INC.) 04 May 2017	1-2, 4-8, 12-16
Y	Paragraphs [0035]-[0036], [0043]-[0051]; claims 1, 9; and figures 1-3	, 19-20, 23
		3, 9-11, 17-18, 21-22
		, 24-25
Y	US 2013-0088993 A1 (CERTUSVIEW TECHNOLOGIES, LLC) 11 April 2013	3, 9-11, 17-18, 21-22
	Paragraphs [0041]-[0042], [0079]; claim 1; and figure 4	
Y	US 7633262 B2 (KEITH E. LINDSEY et al.) 15 December 2009	24-25
	Column 3, line 37 - column 5, line 17; claim 14; and figure 2	
A	US 2011-0274433 A1 (MARCO PRESI et al.) 10 November 2011	1-25
	Paragraphs [0031]-[0040]; claim 22; and figures 1-2	
A	EP 2830302 A1 (BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY) 28 January 2015	1-25
	Paragraphs [0030]-[0034]; claim 1; and figure 5	



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

"D" document cited by the applicant in the international application

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"P" document published prior to the international filing date but later than the priority date claimed

"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

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"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

"&" document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2019/055251

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