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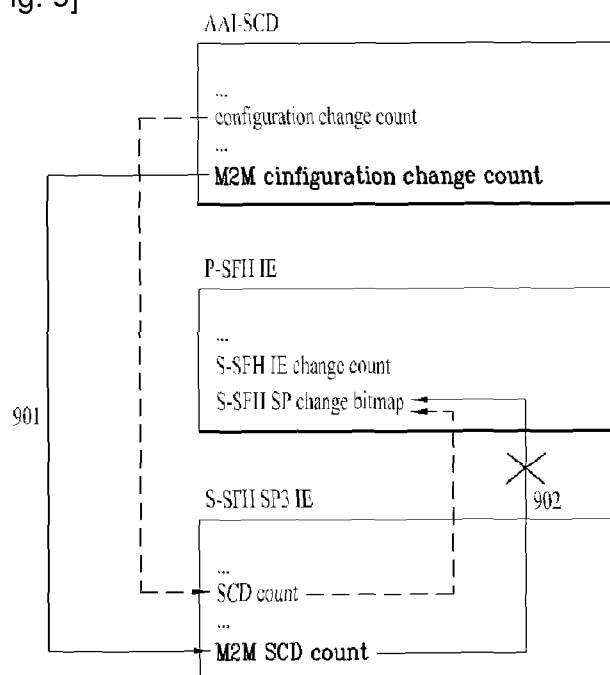
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PERFORMING RANGING AT M2M DEVICE IN A WIRELESS COMMUNICATION SYSTEM

[Fig. 9]



(57) Abstract: A method and apparatus for performing ranging at a Machine to Machine (M2M) device in a wireless communication system are disclosed. The method includes receiving a Primary SuperFrame Header (P-SFH) and a Secondary SuperFrame Header (S-SFH), receiving an Advanced Air Interface-System Configuration Descriptor (AAI-SCD) message, and performing dedicated ranging using M2M dedicated ranging information included in the AAI-SCD message, wherein first count information included in the S-SFH is increased whenever the M2M dedicated ranging information are changed, wherein information indicating a change in the S-SFH, included in the P-SFH are not changed by update of the first count information.



LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
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A. CLASSIFICATION OF SUBJECT MATTER**H04B 7/26(2006.01)i**

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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: ranging, M2M, H2H, superframe, header, dedicated

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0279676 A1 (BENN HOWARD P. et al.) 04 November 2010 See abstract; paragraph [2]; claim 1 and figures 1,2.	1-15
A	Y. Chen, et al., "Cellular Based Machine to Machine Communication with Un-peer2peer Protocol Stack," 2009 IEEE 70th Vehicular Technology Conference Fall (VTC 2009-Fall), pp. 1-5, 23 September 2009 See section III.	1-15
A	WO 2011-018419 A1 (ALCATEL LUCENT et al.) 17 February 2011 See abstract; claim 1 and figure 1.	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

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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
US 2010-0279676 A1	04.11.2010	EP 2247145 A1	03.11.2010
WO 2011-018419 A1	17.02.2011	CN 102474300 A	23.05.2012
		EP 2288045 A1	23.02.2011
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