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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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(54) Title: COMMUNICATIONS SYSTEM RADIO COVERAGE RECONFIGURATION BASED ON AVAILABLE CAPACITY OF A COMPENSATION CELL

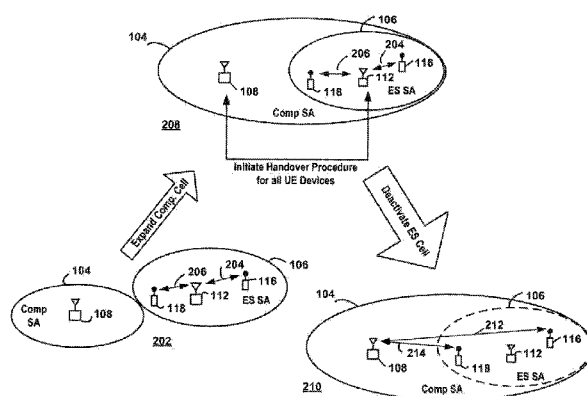


FIG. 2

(57) Abstract: In a cellular communication system, a coverage area configuration transition is performed when it is determined that the resources allocated to a compensation service area have sufficient available capacity to serve one or more UE devices being served by an energy saving service area. A coverage area configuration transition includes reducing the coverage of an energy saving service area and expanding the coverage of a compensation service area. A compensation communication station providing the compensation service area sends a request for a coverage area configuration transition to an energy saving communication station. The energy saving communication station may reject the coverage area configuration transition or may accept it and send an expansion notification to the compensation communication station, where the notification at least indicates that the compensation service area can be expanded.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. H04W52/02 (2009.01) i, H04W36/16 (2009.01) i, H04W36/38 (2009.01) 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

Published examined utility model applications of Japan 1922-1996
 Published unexamined utility model applications of Japan 1971-2015
 Registered utility model specifications of Japan 1996-2015
 Published registered utility model applications of Japan 1994-2015

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2010/110187 A1	1-7, 9-14,
A	(NEC CORPORATION) 2010.09.30, p.19-p.25 (No Family)	16-22 8, 15, 23
Y	WO 2012/063834 A1	1-7, 9-14,
	(KYOCERA CORPORATION) 2012.05.18, [0046]-[0049], [0079], [0080] & JP 5584309 B & US 2013/0223317 A1	16-22
Y	JP 2006-352477 A	9
	(MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) 2006.12.28, [0058]-[0060] (No Family)	



Further documents are listed in the continuation of Box C.



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