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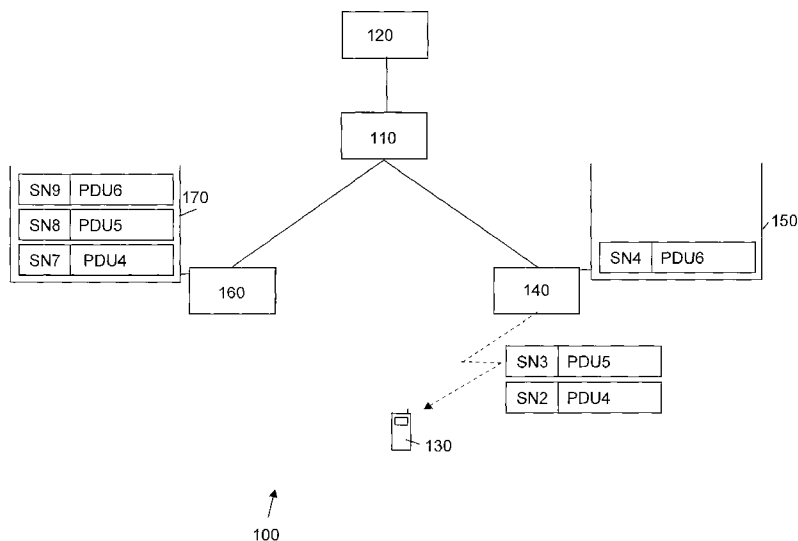
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(54) Title: METHOD AND ARRANGEMENT IN REAL-TIME DATA BI-CASTING MOBILE SYSTEM



(57) **Abstract:** An object of the present invention is to provide an improved real-time application performance for user equipments. The object is achieved by a method for bi-casting real time data packets in a mobile system node. The node is comprised in a mobile system, which mobile system comprises an old Node-B and a new Node-B. The old Node-B and the new Node-B are adapted to be connected to the node. The mobile system further comprising a user equipment 130 adapted for switching the receipt of real time data packets from the old Node-B to the new Node-B. The method comprises the steps of associating a first sequence number with a first real time data packet adapted to be sent to the old Node-B, and associating a second sequence number with the same first real time data packet adapted to be sent to the new Node-B. The second sequence number is different from the first sequence number.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE2006/050092

A. CLASSIFICATION OF SUBJECT MATTER

IPC: see extra sheet

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)

IPC: H04L, H04Q

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

SE,DK,FI,NO classes as above

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

EPO-INTERNAL, WPI DATA, PAJ, COMPD, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1367848 A1 (NTT DOCOMO INC.), 3 December 2003 (03.12.2003), [0008],[0021] --	1-8
A	GB 2396998 A (ROKE MANOR RESEARCH LIMITED), 7 July 2004 (07.07.2004), claims 1-6, abstract --	1-8
A	WO 0135694 A2 (NOKIA NETWORKS OY), 17 May 2001 (17.05.2001), page 3, line 8 - line 12, abstract -- -----	1-8



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Cited literature, if any, will be enclosed in paper form.

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Information on patent family members

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EP	1367848	A1	03/12/2003	CN	1221153	C	28/09/2005
				CN	1463166	A	24/12/2003
				JP	3642780	B	27/04/2005
				JP	2004056770	A	19/02/2004
				US	20030223422	A	04/12/2003
GB	2396998	A	07/07/2004	AU	2003202006	A	00/00/0000
				EP	1468156	A	20/10/2004
				GB	0300080	D	00/00/0000
				US	20050104714	A	19/05/2005
WO	0135694	A2	17/05/2001	AU	1759101	A	06/06/2001
				CA	2384960	A	17/05/2001
				CN	1237837	C	18/01/2006
				CN	1408189	A,T	02/04/2003
				EP	1228658	A	07/08/2002
				JP	2003514470	T	15/04/2003
				US	6300887	B	09/10/2001
				US	20020018010	A	14/02/2002
