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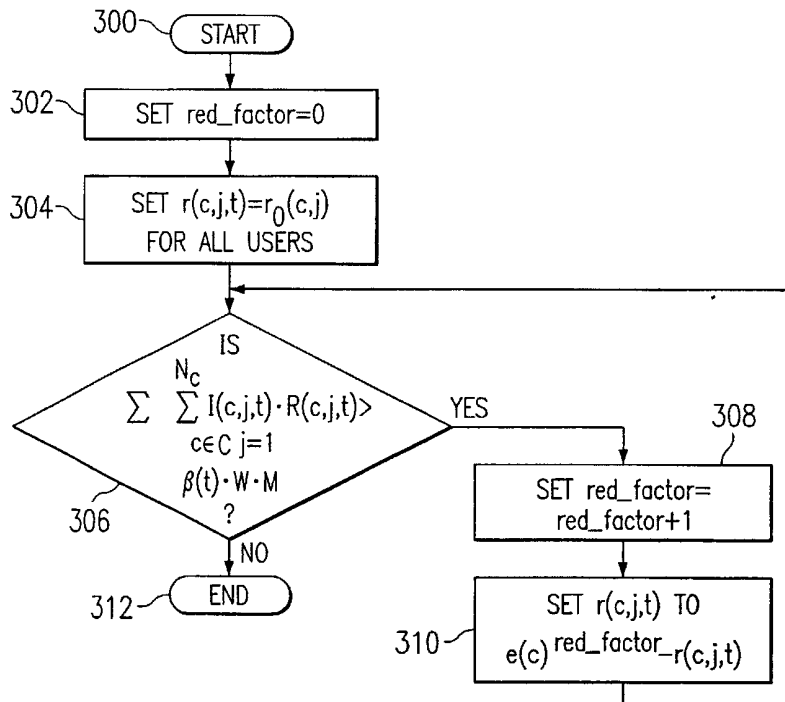
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(54) Title: CLASS BASED BANDWIDTH SCHEDULING FOR CDMA AIR INTERFACES



(57) Abstract: A method and apparatus for class based bandwidth scheduling for Quality of Service (QoS) for radio air interfaces. In an embodiment, users (102) of an air interface (116) are assigned to at least one of a plurality of QoS classes. Each class is assigned an elasticity value. When traffic congestion is determined on the air interface (116) during a time frame, the actual rate of data transmission for each user (102) is reduced according to the elasticity of the class to which the user (102) belongs.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q H04L

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

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

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 16580 A (NOKIA MOBILE PHONES LTD ;TURUNEN MATTI (FI); KALLIOKULJU JUHA (FI)) 23 March 2000 (2000-03-23) page 2, line 10 - line 38 page 7, line 22 -page 8, line 36 figures 3,4	1,2,4, 6-8,10, 11,13
A	---	3,5,9, 12,14
X	WO 98 14020 A (NOKIA TELECOMMUNICATIONS OY ;HORNEMAN KARI (FI); JOKINEN SAMI (FI)) 2 April 1998 (1998-04-02) page 2, line 4 -page 3, line 6	1,2,4,7, 8,10,11, 13
A	---	3,5,6,9, 12,14
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 04, 31 March 1998 (1998-03-31) & JP 09 312649 A (NEC CORP), 2 December 1997 (1997-12-02) abstract	1,7,10
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