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(54) Title: METHOD AND APPARATUS FOR VOICE TRAFFIC MANAGEMENT IN A DATA NETWORK

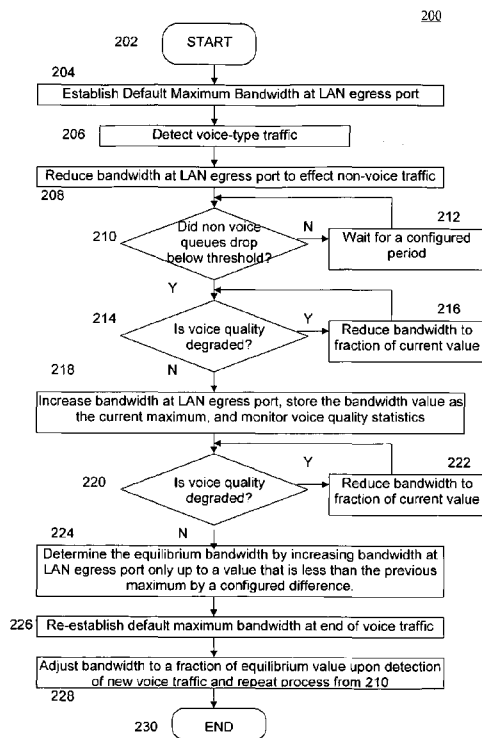


FIG. 2

(57) Abstract: Method and apparatus for voice traffic management in a data network includes establishing a default maximum bandwidth setting at a LAN egress port when voice-type traffic is not present in a LAN portion of the data network, detecting voice-type traffic, reducing the bandwidth setting at the LAN egress port to effect a change in a rate of non voice type traffic and monitoring non voice type traffic and voice quality statistics to determine if the rate of non voice type traffic entering the data network has changed. Once the desired change has occurred, performing a linear increase of the bandwidth setting at the LAN egress port to a first value while monitoring voice quality statistics, determining if voice quality has degraded during increase of the bandwidth setting and repeating the last two steps if voice quality has not degraded.

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ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC: H04L

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 since 1975

Japanese Utility Models and applications for Utility Models since 1975

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

eKOMPASS(KIPO internal), IEEE &amp; Google

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/48366 A1 (MEDIARING.COM LTD) 17 August 2000 See abstract, Page 2 line 4 ~ line 11 and Page 9 line 10 ~ line 20	1 - 20
A	Karam, M.J. "Analysis of the delay and jitter of voice traffic over the internet" In:INFOCOM 2001. Twentieth Annual Joint Conference of the IEEE, Volume 2, 22-26 April 2001 Page(s)824-833 vol.2 See abstract, Page 824 left column 38 ~ right column line 20	1 - 20
A	US 2002/0087711 A1 (MUN KEUNG LEUNG) 4 July 2002 See abstract, paragraph [0012] ~ [0015]	1 - 20

 Further documents are listed in the continuation of Box C. See patent family annex.

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 00/48366 A1	17/08/2000	AU 2000-28412 A1 US 6600737 B1	10/02/2000 29/07/2003
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