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(54) **Title:** HIGH SPEED MULTIPLE USER MULTIPLE LOOP DSL SYSTEM

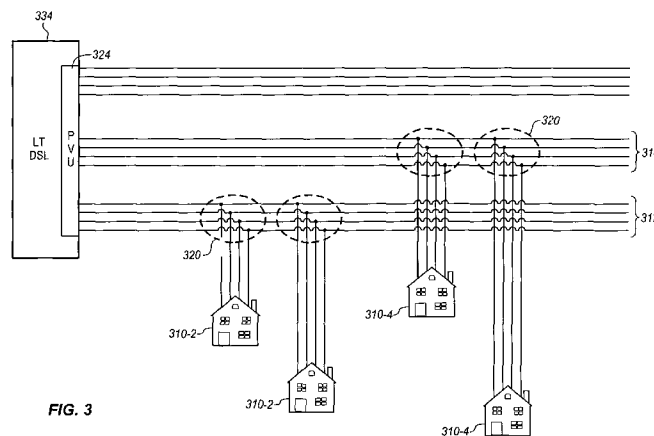


FIG. 3

(57) **Abstract:** A high speed multiple user multiple-loop DSL system is described. In one embodiment, it includes a first DSL loop to carry DSL traffic to a first user and a second DSL loop to carry DSL traffic to a second user. A first junction connects the traffic of the first DSL loop to a third DSL loop, and a second junction connects the traffic of the second DSL loop to the third DSL loop.

WO 2008/045525 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04M11/06

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)
H04M

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, COMPENDEX, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/152385 A1 (CIOFFI JOHN M [US]) -- 14 July 2005 (2005-07-14) paragraph [0027] - paragraph [0032]; figure 1 paragraph [0038] - paragraph [0041]; figures 3,4 paragraph [0073] - paragraph [0077] -----	1-23
X	US 2003/165235 A1 (AGHDAM AMIR GHOLAM [CA] ET AL) 4 September 2003 (2003-09-04) paragraph [0010] - paragraph [0012]; figure 2 -----	1-19
X	US 7 106 789 B1 (REZVANI BEHROOZ [US]) 12 September 2006 (2006-09-12) column 3, line 15 - line 50; figure 1 -----	20-23

D 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 2005152385	A1	14-07-2005	NONE
us 2003165235	A1	04-09-2003	NONE
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