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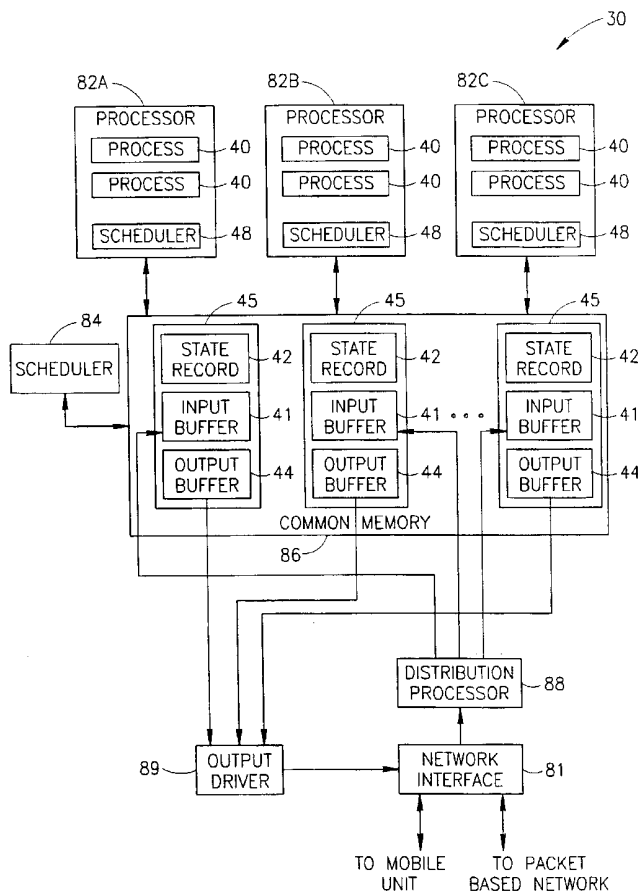
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(54) Title: ALWAYS-ON ACCESS SERVER POOL



(57) Abstract: A method of operating a processor pool having a given maximal processing power, in handling mobile data connections. The method includes connecting a plurality of mobile data connections, which may require up to a total peak processing power which is substantially greater than the given maximal processing power of the processor pool, to the processor pool, and processing data transmitted on at least one of the connected data connections, by the processor pool.



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A. CLASSIFICATION OF SUBJECT MATTER
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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

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

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 590 345 A (DIEFFENDERFER JAMES W ET AL) 31 December 1996 (1996-12-31) column 3, line 54 -column 4, line 55 column 8, line 13 - line 45 column 42, line 39 - line 62 column 44, line 25 -column 46, line 34	34, 36, 37, 45, 46
A	---	1, 25, 35, 38, 39, 42, 48-50
A	US 6 006 318 A (HANSEN CRAIG C ET AL) 21 December 1999 (1999-12-21) column 1, line 25 -column 2, line 35 column 6, line 6 - line 62 -----	1, 25, 34, 45

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Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/IL 01/00232

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5590345	A	31-12-1996	US 5313645 A	17-05-1994
			EP 0570950 A2	24-11-1993
			JP 2710536 B2	10-02-1998
			JP 6231092 A	19-08-1994
			US 5594918 A	14-01-1997
			US 5717943 A	10-02-1998
			US 5710935 A	20-01-1998
			US 5842031 A	24-11-1998
			AT 180586 T	15-06-1999
			BR 9104603 A	23-06-1992
			CA 2050166 A1	14-05-1992
			CN 1061482 A ,B	27-05-1992
			CZ 9103440 A3	17-05-1995
			DE 69131272 D1	01-07-1999
			DE 69131272 T2	09-12-1999
			EP 0485690 A2	20-05-1992
			HU 215139 B	28-09-1998
			JP 4267466 A	24-09-1992
			KR 9616880 B1	26-12-1996
			PL 167329 B1	31-08-1995
			SK 344091 A3	05-01-1995
			RU 2084953 C1	20-07-1997
			US 5765011 A	09-06-1998
			US 5794059 A	11-08-1998
			US 5765012 A	09-06-1998
			US 5822608 A	13-10-1998
			US 5615360 A	25-03-1997
			US 5517642 A	14-05-1996
			US 5615309 A	25-03-1997
			US 5617577 A	01-04-1997
			US 5963745 A	05-10-1999
			US 5630162 A	13-05-1997
			US 5765015 A	09-06-1998
			US 5625836 A	29-04-1997
			US 5809292 A	15-09-1998
			US 5963746 A	05-10-1999
			US 5752067 A	12-05-1998
			US 6094715 A	25-07-2000
			US 5717944 A	10-02-1998
			US 5878241 A	02-03-1999
			US 5713037 A	27-01-1998
			US 5754871 A	19-05-1998
			US 5966528 A	12-10-1999
			US 5708836 A	13-01-1998
			US 5761523 A	02-06-1998
			US 5588152 A	24-12-1996
			US 5828894 A	27-10-1998
			US 5734921 A	31-03-1998
			US 5815723 A	29-09-1998
			US 5870619 A	09-02-1999
US 6006318	A	21-12-1999	US 5822603 A	13-10-1998
			US 5742840 A	21-04-1998
			EP 1105792 A1	13-06-2001
			WO 0023875 A1	27-04-2000
			US 6295599 B1	25-09-2001
			AU 6771696 A	12-03-1997
			EP 0845120 A1	03-06-1998

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL 01/00232

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6006318	A	WO 9707450 A1	27-02-1997
		US 5778419 A	07-07-1998
		US 5809321 A	15-09-1998
		US 5794060 A	11-08-1998
		US 5794061 A	11-08-1998
		US 5953241 A	14-09-1999
