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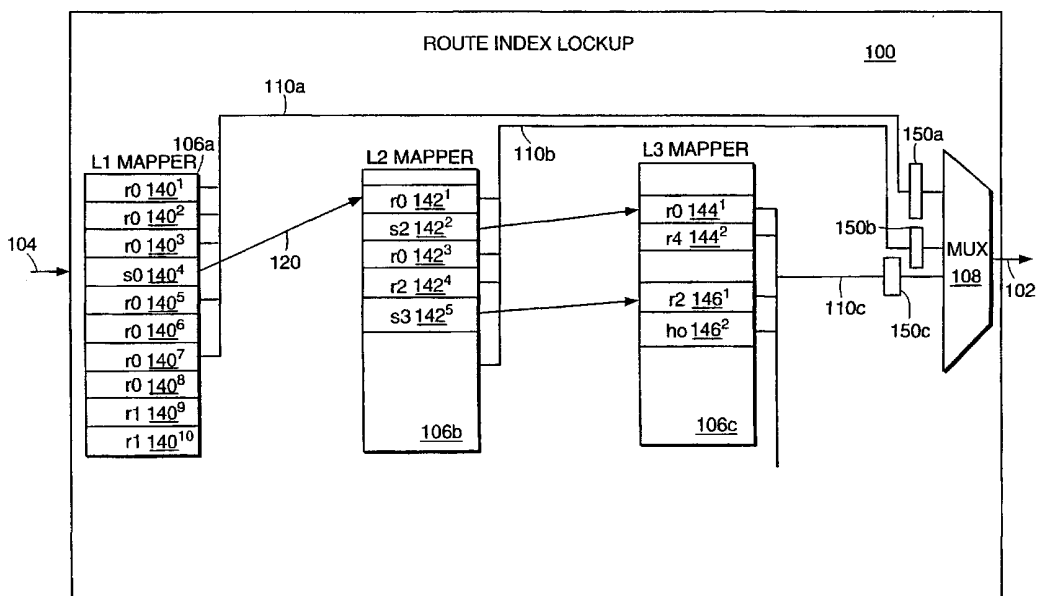
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 - (71) Applicant (for all designated States except US): **MOSAID TECHNOLOGIES INCORPORATED** [CA/CA]; 11 Hines Road, Kanata, Ontario K2K 2X1 (CA).
 - (72) Inventor; and
 - (75) Inventor/Applicant (for US only): **BROWN, David, A.** [CA/CA]; 110 Allissia Crescent, Carp, Ontario K0A 1L0 (CA).
 - (74) Agent: **PILLAY, Kevin**; Fasken Martineau DuMoulin LLP, Suite 4200, Toronto Dominion Bank Tower, P.O. Box 20, Toronto-Dominion Centre, Toronto, Ontario M5K 1N6 (CA).
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(54) Title: METHOD AND APPARATUS FOR LONGEST MATCH ADDRESS LOOKUP



(57) Abstract: We present a lookup table for providing a longest prefix match for a key provided in a search request. The search key is provided in a single search request issued to the lookup table. The lookup table performs a multi-level search for the result value based on successive portions of the key.

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INTERNATIONAL SEARCH REPORT

International Application No PCT/CA 00/01442

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 857 196 A (LADWIG GEOFFREY B ET AL) 5 January 1999 (1999-01-05)	1,2,9, 10,13, 14,21, 22,25, 26,33, 34,37, 38,45,46
A	abstract; figures 2,4 column 1, line 14 - line 67 column 3, line 34 -column 4, line 13 column 6, line 43 -column 7, line 43 -----	3,15,27, 39

INTERNATIONAL SEARCH REPORT

Information on patent family members

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