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## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 83 38 16

**Classification of the application (IPC):**  
G06N 3/063, G06N 3/04, G06F 7/544, G11C 11/54, G06N 3/049

**Technical fields searched (IPC):**  
G06N

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	<p><b>CHI PING ET AL:</b> "PRIME: A Novel Processing-in-Memory Architecture for Neural Network Computation in ReRAM-Based Main Memory" <i>2013 21ST INTERNATIONAL CONFERENCE ON PROGRAM COMPREHENSION (ICPC); [INTERNATIONAL SYMPOSIUM ON COMPUTER ARCHITECTURE.(ISCA)], IEEE, US</i>, 18 June 2016 (2016-06-18), DOI: 10.1109/ISCA.2016.13, ISSN: 1063-6897, ISBN: 978-0-7695-3174-8, pages 27-39, XP032950646</p> <p>* figures 1-5 *</p> <p>* table 1 *</p> <p>* sections I-V *</p>	1-15
A	<p><b>ZACHARIAH CARMICHAEL ET AL:</b> "Deep Positron: A Deep Neural Network Using the Posit Number System" <i>ARXIV.ORG, CORNELL UNIVERSITY LIBRARY, 201 OLIN LIBRARY CORNELL UNIVERSITY ITHACA, NY 14853</i>, 05 December 2018 (2018-12-05), XP080989217</p> <p>* figures 1-5 *</p> <p>* algorithms 1 and 2 *</p> <p>* sections I-IV *</p>	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 03 July 2024	Examiner Rousset, Antoine
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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