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21 November 2024

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(List of remaining 53 Addressees continued after my signature.)

**UPDATE for Open Letter Dated 19 April 2024:**  
**World's First Conscious Gate Transistor Configurable as an Artificial Neuron**  
**or Vacuum State Information Unfolder for use in Conscious Machines**  
**Offer of Exclusive License**

Dear Executives, Professors, and Nanotechnology Professionals:

I would like to provide you with an update regarding the April 19 Open Letter and to renew my offer of exclusive license of all substantial rights in and to subject invention(s) to a proposed “ThoughtChip” consortium comprising some or all of you.

As a memento of this unique opportunity, enclosed is a complimentary 11-inch x 17-inch color poster featuring a 3D model of the patent-pending Bidirectional Artificial Neuron. There are a few extras available, so if you know a colleague who might appreciate one, simply email me their name and address, and I will gladly send one—while supplies last.

To summarize, the Examiner issued a unity of invention restriction. I elected claim 12, the Bidirectional Artificial Neuron that makes use of the persistent current, “free energy” phenomenon in metallic nanotori. Persistent current is the perpetual circulation of electrons

within the nanotorus, even without an external power source.

A telephonic interview with the Examiner took place on October 24, during which a tentative agreement was reached. Amendments based on that discussion were filed on October 25, and we are now awaiting a response from the Examiner.

Lastly, please be informed that I am not represented outside the U.S. Patent Office. If you are interested in exploring the formation of the proposed “ThoughtChip” consortium, please feel free to reach out to me directly by email.

Thank you for your attention and consideration.

Sincerely,

Jerry D. Harthcock

Private inventor

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<https://github.com/jerry-D>

<https://www.facebook.com/jerry.harthcock>

To save paper and postage, the remaining 53 Addressees are the same as subject April 19 Open Letter and therefore fully incorporated herein by reference and can be downloaded at:

<https://github.com/jerry-D/Bidirectional-Artificial-Neuron>

For a quick primer on the “free energy” and “persistent current” phenomena associated with metallic carbon nanotori and described by the two remote viewers during their sessions, I highly recommend this relatively short paper by researchers at Brookhaven National Laboratory entitled, “*Visualization of higher genus carbon nanomaterials: **free energy, persistent current, and entanglement entropy***”. It can be downloaded using the following link:

<https://www.bnl.gov/isd/documents/95516.pdf>



BNL-114514-2017-CP

**Visualization of higher genus carbon nanomaterials:  
free energy, persistent current, and entanglement entropy**

T. Duong, M. McGuigan