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27 February 2025

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(List of remaining 10 Addressees continued on Page 3.)

**World's First Bidirectional Artificial Neuron “Free Energy” Device for
Conscious Machines—Patent Application ALLOWED
Offer of Exclusive License**

Dear Executives, Professors, and Nanotechnology Professionals:

This is to notify you that claim 12 to US Patent Application No: 17/350,805 has been allowed and mailed on February 19, 2025. Issue fee is due by May 19, 2025.

If no one accepts my offer to exclusively license all substantial rights by April 30, I will proceed with filing one Divisional and one Continuation application and pay the Issue Fee before the Issue Fee due date. This is just a heads-up for those who might be interested, in that you may wish to enter the license within the above time frame so you can amend the claims to your liking before paying the Issue Fee.

Moreover, the Exclusive License would allow you to use the suggested Continuation application as a strategic launchpad for any number of Continuation-In-Part applications where you can combine my technology with your own new matter, while preserving the original priority date.

For exclusive license of all substantial rights in and to my entire patent portfolio, I would accept an offer of \$1 Billion US dollars now, followed by eighteen annual installments of \$500 Million US dollars each, due on the anniversary of said first payment. Reasonable counteroffers will be considered.

The portfolio is being offered “as-is” without any warranty or guarantee of merchantability or fitness for any purpose or application.

Should any or all of the patents in the portfolio be invalidated or rendered unenforceable for any reason whatsoever, including licensee's failure to timely pay maintenance fees, such has no bearing on the licensee's obligation to continue said annual installments.

The offered patent portfolio presently comprises:

Allowed US Patent Application Number: 17/350,805

US Patent Number US_11275584_B2

US Patent Number US_11635956_B2

US Patent Number US_11635957_B2

HedgeHog Fused Spiking Artificial Neural Network

I am presently not represented. If interested, please don't hesitate to contact me directly at the email address provided under my signature. If you'd like to discuss this by phone, email me with your phone number, time (CST) and date, and I will call you.

An updated “ThoughtChip” Pitch Deck can be found at the GitHub link below.

Thank you for your time and consideration. I look forward to hearing from you.

Yours very truly,

/s/Jerry D. Harthcock

Private Inventor--ThoughtChip

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(19) **United States**(12) **Patent Application Publication**
Harthcock(10) **Pub. No.: US 2022/0376193 A1**(43) **Pub. Date: Nov. 24, 2022**(54) **COMPLEX NANOSTRUCTURE
CONFIGURABLE AS A TRANSISTOR,
MULTIPLEXER, OR INFORMATION
UNFOLDER**(52) **U.S. Cl.**
CPC *H01L 51/0504* (2013.01); *H01L 51/0048*
(2013.01); *H01L 51/0093* (2013.01); *B82Y*
5/00 (2013.01)(71) Applicant: **Jerry D. Harthcock**, Boerne, TX (US)(72) Inventor: **Jerry D. Harthcock**, Boerne, TX (US)(21) Appl. No.: **17/350,805**(22) Filed: **Jun. 17, 2021****Related U.S. Application Data**

(60) Provisional application No. 63/053,907, filed on Jul. 20, 2020.

Publication Classification(51) **Int. Cl.**
H01L 51/05 (2006.01)
H01L 51/00 (2006.01)(57) **ABSTRACT**

A complex nanostructure, which includes a first nanostructure component having at least one aperture in a side thereof; at least one second nanostructure component having a first end and a second end, wherein the first end of each of the at least one second nanostructure is inserted through a corresponding one of the at least one aperture in the first nanostructure, thereby forming at least one junction. Embodiments of the complex nanostructure include a bifurcated nanostructure transistor constructed of linear carbon nanotubes, a multiplexer constructed of a circular carbon nanotube and multiple linear carbon nanotubes, and an information unfoldr constructed of linear or a combination of linear and circular carbon nanotubes. The nanotubes may optionally be decorated with genetic material such as single-strand or double-strand human DNA segments and/or may be modified by e-beam or ozone gas to add defects into the nanotubes to alter electrical/functional characteristics.

