brainchip

BrainChip Granted New US Patent

- Patent US 11,657,257 "Spiking Neural Network," issued to BrainChip.
- BrainChip's portfolio now comprises 16 issued patents.

Sydney – 24 May 2023:

BrainChip Holdings Ltd ("BrainChip" or the "Company") (ASX: BRN, OTCQX: BRCHF, ADR: BCHPY), the world's first commercial producer of ultra-low power neuromorphic AI IP, today announced that its patent portfolio is further strengthened with the issue of a US patent, demonstrating the Company's consistently growing research strength and its proactivity in recognising and acquiring essential technologies from the marketplace to build a long-term competitive advantage.

1. **US 11,657,257 "Spiking Neural Network" Issuance:**

   The patent, US 11,657,257, was issued on 23 May 2023 at the US Patents and Trademarks Office (USPTO). The patent is considered by the Company to be a valuable IP asset that will block competitors from adopting BrainChip-style learning on a neuromorphic chip or a system.

   Key features of patent:

   The patent protects a learning function of BrainChip's digital neuron circuit using positive (excitatory) and negative (inhibitory) synapses - inspired by the biological brain – the most efficient predictive inference and learning engine known.

BrainChip's portfolio now comprises 16 issued patents (11x US, 3x AU, 1xEP, 1xCN). In addition, some 30 patent applications are pending in the US, Europe, Australia, Canada, Japan, Korea, India, Brazil, Russia, Mexico, and Israel.

This announcement is authorised for release by the BRN Board of Directors.

About BrainChip Holdings Ltd (ASX: BRN)

BrainChip is the worldwide leader in edge AI on-chip processing and learning. The company's first-to-market, fully digital, event-based AI processor, Akida™, uses neuromorphic principles to mimic the human brain, analysing only essential sensor inputs at the point of acquisition, processing data with unparalleled efficiency, precision, and economy of energy. Akida uniquely enables edge learning local to the chip, independent of the cloud, dramatically reducing latency while improving privacy and data security. Akida Neural processor IP, which can be integrated into SoCs on any process technology, has shown substantial benefits on today's workloads and networks, and offers a platform for developers to create, tune and run their models using standard AI workflows like Tensorflow/Keras. In enabling effective edge compute to be universally deployable across real world applications such as connected cars, consumer electronics, and industrial IoT, BrainChip is proving that on-chip AI, close to the sensor, is the future, for its customers' products, as well as the planet. Explore the benefits of Essential AI at www.brainchip.com
Follow BrainChip on Twitter: https://www.twitter.com/BrainChip_inc
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