

## **BrainChip Granted Strategic Patent on its Advanced Edge Learning Technology**

- Patent US 11,704,549 "Event-Based Classification of Features in a Reconfigurable and Temporally Coded Convolutional Spiking Neural Network" issued to BrainChip
- BrainChip's portfolio now comprises 17 issued patents

### **Sydney – 19 July 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 the issue of another US patent, strengthening its patent portfolio and further demonstrating the Company's competitive research strength.

#### **1. US 11,704,549 Issuance:**

The patent, US 11,704,549 was issued on 18 July 2023 at the US Patents and Trademarks Office (USPTO). The patent is considered by the Company to be a valuable IP asset that protects BrainChip's unique approach for learning on a neuromorphic chip or a system.

#### **Key features of patent:**

- The patent protects BrainChip's neuromorphic processor, which is configured to perform convolutions on digital input data that has been converted into spikes.
- Importantly, the patent broadens the scope of protection already granted to BrainChip in one of its earlier patents, further enhancing the commercial value of the patent.
- Additionally, the patent safeguards the feature of reconfigurability in a neural processor, which can function as either a convolutional neural processor or a fully connected neural processor. This reconfigurability provides a significant advantage, enabling the development of multipurpose and cost-effective hardware designs such as the Akida.

BrainChip's portfolio now comprises 17 issued patents (12x 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, OTCQX: BRCHE, ADR: BCHPY)**

BrainChip is the worldwide leader in edge AI on-chip processing and learning. The company's first-to-market neuromorphic processor, Akida™, mimics the human brain to analyze only essential sensor inputs at the point of acquisition, processing data with unparalleled efficiency, precision, and economy of energy. Keeping machine learning local to the chip, independent of the cloud, also dramatically reduces latency while improving privacy and data security. 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](http://www.brainchip.com).

Follow BrainChip on Twitter: [https://www.twitter.com/BrainChip\\_inc](https://www.twitter.com/BrainChip_inc)

Follow BrainChip on LinkedIn: <https://www.linkedin.com/company/7792006>

Additional information is available at <https://www.brainchipinc.com>

###

---

For more information contact:

Tony Dawe

Director, Investor Relations

BrainChip Holdings Ltd.

[tdawe@brainchip.com](mailto:tdawe@brainchip.com)