

ASX Announcement ([ASX: AXE](#))

1 March 2021

Patent portfolio progress update

Archer Materials Limited (“Archer”, the “Company”, “[ASX: AXE](#)”) is pleased to provide shareholders with an update and summary on patent prosecution progress related to the Company’s ¹²CQ quantum computing qubit processor chip (“¹²CQ chip”). International patent applications (“IPAs”) associated with the ¹²CQ chip are lodged in six jurisdictions (Exhibit 1).

The additional IPA in Japan recently resulted in the first granted patent for the ¹²CQ chip (“JP Patent”) (ASX ann. [20 Jan 2021](#)). The granting of the JP Patent ([Patent No. 6809670](#)) has led to the advance of the patent granting process and procedures for IPAs in several jurisdictions.

First Office Actions (“FOAs”) have been received from Patent Offices of the United States of America, China, and Australia. Receiving FOAs is a key step in the process for the grant of a patent in the administering jurisdiction.

The Company has accelerated the prosecution process and procedures of IPAs where possible, e.g. filing a PACE request with the European Patent Office and accessing review programs in the Republic of Korea.

The European and Korean IPAs have progressed in the substantive examination procedures since [Oct 2020](#), and more recently the Korean IPA, following the JP Patent granting. The Company will continue to release key progress in its patent prosecution to ASX.

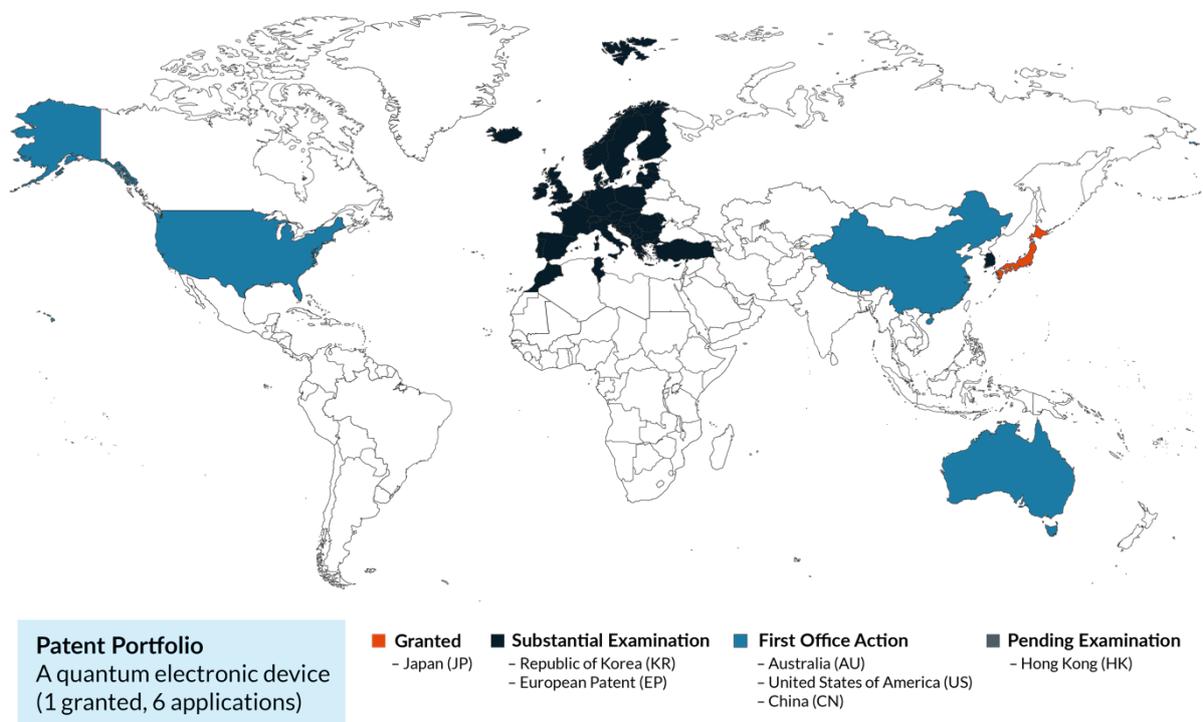


Exhibit 1. Map of the geographic coverage of ¹²CQ chip IPAs as of Mar 2021. IPAs formally titled “A quantum electronic device”. JP IPA entered substantial examination in [Jun 2020](#) and the subsequent patent granted in [Jan 2021](#). EP and KR IPAs entered substantial examination in [May](#) and [Aug 2020](#) respectively and are advancing in this prosecution stage. IPAs in AU, CN, and the US have recently progressed. HK IPA is pending examination.

About Archer's ¹²CQ Chip

¹²CQ is a world-first qubit processor chip technology that Archer is building for quantum computing operation at room-temperature and integration onboard modern electronic devices. For more information, please view Archer's recent [webinar](#) with IBM.

¹²CQ® is a registered trademark of Archer Materials Limited.

About Archer

A materials technology company developing innovative deep tech in quantum computing, biotechnology, and reliable energy. The Company has strong intellectual property, world-class in-house expertise, a unique materials inventory, and access to Tier 1 technology development infrastructure.

The Board of Archer authorised this announcement to be given to ASX.

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