IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LIMITED,

Petitioner,

v.

ALIDOUBLE, INC.

Patent Owner.

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U.S. Patent No. 9,431,455

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PETITIONER'S POWER OF ATTORNEY AND DESIGNATION OF LEAD AND BACKUP COUNSEL

Petitioner Taiwan Semiconductor Manufacturing Company Limited ("TSMC") hereby appoints the following practitioners as its attorneys to transact all business in the United States Patent & Trademark Office, including the power to add or remove backup counsel, associated with the above-captioned *inter partes* review:

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The individual signing below has the authority to execute this document on behalf of Petitioner TSMC.

Date: December 16, 2022

Signature: */s/ Billie Chen*

Name: Billie Chen

Title: Associate General Counsel and Chief IP Counsel

Date: December 16, 2022

On behalf of Petitioner TSMC