

POWER OF ATTORNEY

WHEREAS, FMR LLC ("FMR") has appointed Stephanie J. Brown with full power of substitution, for FMR and in its name, to notify companies and to sign such notices of filings or amendments thereto, in respect of interest in shares held, directly or beneficially, by FMR, pursuant to the laws and regulations of Japan, as shall from time to time be applicable to FMR.

NOW, THEREFORE, effective as of October 1, 2024, the undersigned hereby constitutes and appoints Colby Penzone as her substitute, to have all the powers of the undersigned regarding filings required by the laws and regulations within Japan.

The Power of Attorney shall remain in full force and effect only for such time as the undersigned shall continue to be an officer of FMR LLC or any of its affiliates, provided that, notwithstanding the foregoing, this Power of Attorney may be revoked at any time by the undersigned in writing.

Signed by:

Stephanie J. Brown

MF-C00F-024224000

Stephanie J. Brown

Chief Compliance Officer of Fidelity
Management & Research Company LLC

Dated: 09/12/2024