

STATE OF DELAWARE
CERTIFICATE OF AMENDMENT
OF CERTIFICATE OF INCORPORATION

The corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware does hereby certify:

FIRST: That at a meeting of the Board of Directors of MASSACHUSETTS INSTITUTE OF MATHEMATICS, INC., resolutions were duly adopted setting forth a proposed amendment of the Certificate of Incorporation of said corporation, declaring said amendment to be advisable and calling a meeting of the stockholders of said corporation for consideration thereof. The resolution setting forth the proposed amendment is as follows:

RESOLVED, that the Certificate of Incorporation of this corporation be amended by changing the Article numbered “**EIGHTH**” so that, as amended, said Article shall read as follows:

EIGHTH: Pursuant to Section 152 of the DGCL, the Corporation has issued 10,000 shares of Common Stock to New York General Group, Inc. (NYGG), a Delaware corporation, in consideration for the transfer and contribution of the following intellectual property, valued at Five Hundred Twenty-Seven Billion Three Hundred Twenty-Five Million U.S. Dollars (US\$527,325,000,000), as determined by independent third-party artificial intelligence valuations and based on independent expert opinions:

1. WORLD SYSTEM ON THE BASIS OF BIDIRECTIONAL ENCODER REPRESENTATIONS FROM TRANSFORMERS (BERT), CATEGORICAL NETWORK (CN) AND POINT-VOXEL CONVOLUTIONAL NEURAL NETWORK (POINT-VOXEL CNN)
2. CABLE-HYBRID CALIBRATING COLLABORATIVE ROBOT WITH SELF-CALIBRATION SYSTEM AND DUAL TENSION MONITORING
3. SYSTEM AND METHOD FOR IMPLEMENTING A META-ADAPTIVE REASONING ARCHITECTURE WITH DUAL-PATHWAY PROCESSING AND DYNAMIC COMPUTE ALLOCATION IN ARTIFICIAL INTELLIGENCE APPLICATIONS
4. CATALYTIC QUANTUM COMPUTER SYSTEM AND METHOD FOR HIGH-FIDELITY QUANTUM STATE MANIPULATION UTILIZING ASYMPTOTIC EQUIVALENCE

5. QUANTUM-RESONANT GERMANIUM-SILICON-VANADIUM HETEROSTRUCTURE SYSTEM WITH ENHANCED SPIN-PHOTON COUPLING AND METHOD OF MANUFACTURE FOR SCALABLE QUANTUM COMPUTING ARCHITECTURES
6. PROGRAMMABLE MULTI-MODAL ENGINEERED VIRUS-LIKE PARTICLE ARRAYS (PMeVA)
7. CRISPECTOR - COMPREHENSIVE GENOME EDITING ANALYSIS SYSTEM
8. ADVANCED 5H-SILICON CARBIDE-TITANIUM HETEROATOMIC SEMICONDUCTOR MATERIAL WITH ENHANCED QUANTUM CONFINEMENT EFFECTS AND PRECISION MANUFACTURING METHOD UTILIZING MODIFIED HALIDE CHEMICAL VAPOR DEPOSITION WITH TRIPLE-PIPE QUANTUM CONFINEMENT ARCHITECTURE
9. BIOMIMETIC PHASE-SEPARATING ADHESIVE COPOLYMER SYSTEM WITH CONTROLLED GELATION AND METHODS OF MANUFACTURE THEREOF
10. NOVEL S-PROPIONAMIDE-LINCOSAMIDE DERIVATIVES AND ANALOGS, ENGINEERED ENZYMES FOR THEIR BIOSYNTHESIS, PHARMACEUTICAL COMPOSITIONS, AND METHODS OF TREATMENT
11. GLYCOSYNTH-X
12. ADAPTIVE MULTI-ZONE STABILIZATION TOKAMAK (AMZST) FOR ENHANCED NUCLEAR FUSION CONTROL
13. ADVANCED REVERSED-SHEAR ZONAL-STABILIZED TOKAMAK (ARSZT) SYSTEM AND METHOD FOR ENHANCED NUCLEAR FUSION UTILIZING PRECISELY CONTROLLED ZONAL FIELD INTERACTIONS AND SOPHISTICATED ELECTROMAGNETIC CONFIGURATIONS
14. HELICAL SYMMETRIC STELLARATOR WITH OPTIMIZED TARGET SYSTEM (HSSOT) FOR NUCLEAR FUSION ENERGY GENERATION
15. ADVANCED ELECTROMAGNETIC LIQUID LITHIUM COMPRESSION SYSTEM AND METHOD FOR CONTROLLED NUCLEAR FUSION UTILIZING OPTIMIZED SPHERICAL TOKAMAK CONFIGURATIONS WITH INTEGRATED STABILITY CONTROL
16. ADVANCED TURBULENCE-OPTIMIZED TOKAMAK (ATOT) REACTOR WITH INTEGRATED MULTI-ZONE PROFILE CONTROL SYSTEM AND METHODS FOR HIGH-PERFORMANCE FUSION PLASMA CONTAINMENT

17. HIGH-DENSITY HELICAL TOKAMAK USING DYNAMIC MAGNETIC FIELD SHAPING (動的磁場整形を用いた高密度ヘリカル型トカマク)

18. COMPACT TECHNETIUM-101 CATALYZED FUSION REACTOR

19. TEMPERATURE-MODULATED TUNGSTEN-MATRIX FUSION REACTOR WITH ADVANCED DEUTERIUM RETENTION CONTROL SYSTEM AND METHODS THEREOF

20. HELICAL TRIPLE-SHELL DIVERTOR NUCLEAR FUSION REACTOR (HELICON)

21. ADVANCED VARIABLE-GEOMETRY OPTIMIZED TOKAMAK (VGOT) NUCLEAR FUSION REACTOR WITH DYNAMIC PLASMA SHAPE CONTROL, AUTOMATED SAWTOOTH OSCILLATION MANAGEMENT, AND INTEGRATED STABILITY SYSTEMS

22. ATOMIC-SCALE MAGNETIC RESONANCE MICROSCOPY (ASMRM) SYSTEM AND METHOD FOR THREE-DIMENSIONAL MAPPING OF MAGNETIC FIELDS WITH SUB-ANGSTROM RESOLUTION AND ELEMENT-SPECIFIC CONTRAST

23. MULTIMODAL SENSORY PROSTHETIC HAND SYSTEM WITH NEURAL FIELD PROCESSING AND ADVANCED TACTILE-VISUAL FUSION

24. MULTI-MODULAR ASSEMBLY SUPPORT VEHICLE (MASV) FOR AUTOMATED ON-ORBIT TELESCOPE ASSEMBLY

25. SELF-REPLICATING SPACECRAFT (自己複製宇宙機)

The preceding intellectual property assets are representative items extracted from the broader portfolio of intellectual property contributed by NYGG to the Corporation and are not intended to constitute an exhaustive list thereof. The Contributed IP shall include, without limitation, all intellectual property rights, technologies, know-how, trade secrets, and associated assets actually transferred to the Corporation pursuant to the applicable contribution and assignment agreements, whether or not individually identified. The consideration has been fully received by the Corporation, and the shares are deemed fully paid and nonassessable. The valuation report can be seen at: <https://www.newyorkgeneralgroup.com/newyorkgeneralgroupstakeholderrelations>.

RESOLVED, that the Certificate of Incorporation of this corporation be amended by changing the Article numbered “**NINTH**” so that, as amended, said Article shall read as follows:

NINTH: The issuance of the Issued Shares to NYGG in exchange for the Contributed IP, as described herein, has been authorized by the Board and approved in accordance with, and in full compliance with, all applicable provisions of the DGCL, including without limitation Sections 152 and 157 thereof. The Board has duly determined the value of the Contributed IP and the adequacy of the consideration received, and such determination shall be conclusive for all purposes under the DGCL. The Contributed IP has been fully delivered to the Corporation as consideration, and the Issued Shares are validly issued, fully paid and nonassessable as of the Effective Date.

RESOLVED, that the Certificate of Incorporation of this corporation be amended by changing the Article numbered “**TENTH**” so that, as amended, said Article shall read as follows:

TENTH: Upon the issuance of the Issued Shares pursuant to Article EIGHTH hereof, the aggregate stated capital of the Corporation shall be Five Hundred Twenty-Seven Billion Three Hundred Twenty-Five Million U.S. Dollars (US\$527,325,000,000), representing the fair value of the consideration received in the form of the Contributed IP as determined by the Board in accordance with the DGCL. Such amount constitutes the capital of the Corporation as of the Effective Date for all purposes under the DGCL.

RESOLVED, that the Certificate of Incorporation of this corporation be further amended by deleting Article “**ELEVENTH**” in its entirety.

SECOND: That said amendment was duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.

IN WITNESS THEREOF, said MASSACHUSETTS INSTITUTE OF MATHEMATICS, INC., has caused this certificate to be signed by its President on this August 11, 2025.

By:  _____
President

Yu Murakami
Print Name