# PROVISIONAL APPLICATION FOR PATENT COVER SHEET

**(37 CFR 1.51(c)(1) — PTO/SB/16 Equivalent)**

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## TITLE OF INVENTION:

Systems and Methods for Closed-Loop Optimization of Hybrid and Under-Specified Compute Architectures with Language Model-Driven Search Space Shaping

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## INVENTOR(S)

| Name | Residence | Citizenship |
|---|---|---|
| Haim David Silver | Poughkeepsie, NY, USA | United States |

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## CORRESPONDENCE ADDRESS

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## ENTITY STATUS

☑ **Small Entity** — Applicant qualifies as a small entity under 37 CFR 1.27.

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## SPECIFICATION AND DRAWINGS

The attached specification and drawings are to be considered part of this provisional application.

| Document | Pages |
|---|---|
| Specification | 15 |
| Drawings | 6 |
| Claims (informal) | 6 independent + 34 dependent |

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## SIGNATURE

The undersigned, being the inventor named above, hereby declares that this provisional application is made in good faith and that the inventor(s) believe they are the original inventor(s) of the subject matter disclosed.

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| **Signature** | /Haim David Silver/ |
| **Printed Name** | Haim David Silver |
| **Date** | |

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**Docket No.:** KK-2025-PROV-002