

**ELECTRONIC ACKNOWLEDGEMENT RECEIPT**

APPLICATION # 19/302,068	RECEIPT DATE / TIME 08/17/2025 11:11:19 PM Z ET	ATTORNEY DOCKET # -
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Title of Invention

Multi-Tier Cache Architecture with AI Workload Prediction

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2229	FILED BY	Bong Hyung Lee
PATENT CENTER #	71893382	FILING DATE	-
CUSTOMER #	-	FIRST NAMED INVENTOR	Bong Hyung Lee
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Documents**TOTAL DOCUMENTS: 2**

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
Multi-Tier Cache Architecture with AI Workload Prediction.pdf	23	-	620 KB
Multi-Tier Cache Architecture with AI Workload Prediction-ABST.pdf	(1-17) 17	Abstract	559 KB
Multi-Tier Cache Architecture with AI Workload Prediction-CLM.pdf	(18-23) 6	Claims	235 KB

Digest

DOCUMENT

MESSAGE DIGEST(SHA-512)

Multi-Tier Cache Architecture
with AI Workload Prediction.pdf

2A4A91921683F003B8D53F5C86A43659BF7C4725ECFE5E60A
672A7FB0567C419850407CA8AA305E7C786FA97A5715D547D
14E0F8D352502FC5588BAAE3C62BB0

Multi-Tier Cache Architecture
with AI Workload Prediction-
ABST.pdf

9DE6E62F95071C72022CBD4234E955F9B25237BC4F5631AF5
03599824CD9C181CF8EA87C010073EA8B923F94FEFDB5C04
CFE7EDF1FCBE44B74828CDE80E383B2

Multi-Tier Cache Architecture
with AI Workload Prediction-
CLM.pdf

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B5D5D6517667F150681E2C60829AF9250E562E12E7F82453FF
C9EC34C53FA51DEF0D5A8C9A76C7557

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.