

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7638677

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SEBASTIAN WERNER	11/02/2022
JEONGHEE SHIN	11/02/2022
PETER A. LISHERNESS	11/02/2022
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<b>Property Type</b>	<b>Number</b>
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<b>SIGNATURE:</b>	/Scott W. Pape/
<b>DATE SIGNED:</b>	11/10/2022
<b>Total Attachments: 2</b>	
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## ASSIGNMENT BY INVENTORS

WHEREAS, we, **Amir Kleen, Sebastian Werner, Jeonghee Shin, Peter A Lisherness** (hereinafter referred to as "Assignors") have invented certain new and useful improvements in "**Arbitration Sub-Queues for a Memory Circuit**", shown and described in U.S. Patent Application No. 18/054,280 filed 11/10/2022. (the "Application") and;

WHEREAS, **Apple Inc.**, a California corporation, having its principal place of business at One Apple Park Way, Cupertino, CA 95014, U.S.A (hereinafter referred to as Assignee), is desirous of acquiring Assignors entire right, title and interest in and to said inventions, Application and any patents which may issue thereon;

NOW, THEREFORE, be it known by all whom it may concern that for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors agree to assign and hereby assign to Assignee for the territory of the United States of America and the entire world Assignors entire right, title and interest in and to said inventions and Application, and in and to any and all patent applications in the United States and all countries foreign to the United States which may claim priority to said Application or which may be directed to said inventions, said patent applications including without limitation any and all provisionals, non-provisionals, divisionals, continuations, continuations-in-part, utility models, industrial models, and designs, and in and to any and all patents in the United States and all countries foreign to the United States which may be granted therefore and thereon, and in and to any reissues, reexaminations, and extensions of said patents. Assignors hereby transfer and convey to Assignee any right to recover for past and future infringement of the patents assigned herein.

Assignors HEREBY grant the attorneys at **Kowert Hood Munyon Rankin and Goetzel P.C.** the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

/ /  
Amir Kleen  
  
/ *Sebastian Werner* /  
Sebastian Werner (Nov 2, 2022 00:31 PM)  
Sebastian Werner

Nov 2, 2022

Nov 2, 2022

/   
Jeonghee Shin (Nov 2, 2022 07:22 PM)  
**Jeonghee Shin**

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Nov 2, 2022

/   
Peter A Lisherness (Nov 2, 2022 11:45 PM)  
**Peter A Lisherness**

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