

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

Assignment ID: PATI789104

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	Mark A. Helm	12/16/2021
	Joseph T. Pawlowski	03/25/1992
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	Micron Technology, Inc.	
<b>Street Address:</b>	8000 South Federal Way	
<b>City:</b>	Boise	
<b>State/Country:</b>	IDAHO	
<b>Postal Code:</b>	83716-9632	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	<b>Application Number:</b>	16984471
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	6126599340	
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<b>Correspondent Name:</b>	Brooks Cameron & Huebsch PLLC	
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<b>ATTORNEY DOCKET NUMBER:</b>	1022.0030001[20-024800US]	
<b>NAME OF SUBMITTER:</b>	Rory Kluever	
<b>SIGNATURE:</b>	/Rory Kluever/	
<b>DATE SIGNED:</b>	01/29/2025	
<b>Total Attachments: 4</b>		
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source=ASSIGNMENT 2020-0248.00-US#page2.tiff		
source=ASSIGNMENT 2020-0248.00-US#page3.tiff		
source=ASSIGNMENT 2020-0248.00-US#page4.tiff		

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:  
Mark A. Helm, et al.**

**Docket No. 1022.0030001**

**Disclosure No. 2020-0248.00/US**

**Filed: August 4, 2020 (Application No. 16/984,471)**

**For: ACCELERATION OF DATA QUERIES IN MEMORY**

**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN, AND TRANSFER TO **Micron Technology, Inc.** (the "Assignee"), a corporation of Delaware, having a place of business at 8000 South Federal Way, Boise, Idaho 83716-9632, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled: "ACCELERATION OF DATA QUERIES IN MEMORY"; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States of America;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

ASSIGNMENT

Attorney Docket No.: 1022.0030001 [2020-0248.00/US]

Serial No.: 16/984,471

Filing Date: August 4, 2020


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WARRANT AND COVENANT that no assignment, grant mortgage, license, or other agreement affecting the right and property herein conveyed has been or will be made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining, and enforcing proper patent protection for such improvements and for vesting title to such improvement in the Assignee;

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

  
\_\_\_\_\_  
Mark A. Helm

Date: 12/16/2021

# MICRON TECHNOLOGY, INC.

## ASSIGNMENT OF INVENTIONS, RIGHTS AND CONFIDENTIAL INFORMATION AGREEMENT

9247

In consideration of my employment by MICRON TECHNOLOGY, INC. or any subsidiary thereof (hereinafter, collectively referred to as Micron), I hereby agree as follows:

1. With respect to discoveries, concepts, process, diagrams, methods, formulae, ideas, and techniques (all hereinafter collectively called "inventions") made or conceived by the employee, whether or not during working hours of his employment or with the use of Micron's or its customers' facilities, materials, or personnel, either solely or jointly with others during employment by Micron if based on or related to subject matter within a field of interest to Micron, without royalty or any other consideration to him therefor:

a) The employee shall inform Micron promptly and fully of such inventions by written report setting forth in detail the procedures employed and results achieved. A report will be submitted by the employee upon completion of any studies or research project undertaken on Micron's behalf, whether or not in the employee's opinion a given project has resulted in an invention.

b) The employee shall apply at Micron's request and expense, for U.S. and foreign letters patent either in the employee's name or otherwise as Micron shall desire.

c) The employee hereby assigns and agrees to assign to Micron all of his rights to such inventions and to applications for U. S. and foreign letters patent and U. S. and/or foreign letters patent granted upon such inventions.

d) The employee shall acknowledge and deliver promptly to Micron, without charge to Micron but at its expense, such written instruments and do such other acts such as giving testimony in support of Micron's inventorship as may be necessary in the opinion of Micron to obtain and maintain U.S. and/or foreign letters patent and to vest the entire right and title to Micron.

2. With respect to any material, diagrams, concepts, formulae, mask works, marks, documents, drawings, logos, or ideas (all hereinafter collectively called "material") which may be registered, trademarked, or copyrighted under any U.S. or foreign statute for procedure made or conceived by the employee whether or not during working hours of his employment or with the use of Micron's or its customers' facilities, materials, or personnel, either solely or jointly with others during employment by Micron if based on or related to subject matter within a field of interest to Micron, without royalty or any other consideration to him therefor:

a) The employee shall inform Micron promptly and fully of such material by written report.

b) The employee shall apply, at Micron's request and expense, for U.S. and foreign registrations, trademarks, or copyrights either in the employee's name or otherwise as Micron shall desire or is required by law.

c) The employee hereby assigns and agrees to assign to Micron all of his rights to such materials, to applications thereon and for U.S. and/or foreign registrations, trademarks or copyrights granted upon such material.

d) The employee shall acknowledge and deliver promptly to Micron, without charge to Micron but at its expense, such testimony in support of Micron's registrations, trademarks, or copyrights as may be necessary in the opinion of Micron to obtain and maintain U.S. and/or foreign registration, trademark or copyright and to vest the entire right and title to Micron.

3. Micron shall have the royalty free right to use in its business and to make, use and sell products, processes and/or services derived from any inventions, material, discoveries, concepts and ideas, whether or not patentable or registerable, including, but not limited to, processes, methods, formulae and techniques, as well as improvements thereof of know-how related thereto, which are not within the scope of inventions or material defined herein but which are conceived or made by the employee during the period in which he is employed by Micron or with the use or assistance of Micron's facilities, materials or personnel.

4. Disclosure of information.

a) Except as required in duties to Micron, the employee will not, directly or indirectly, use, disseminate, disclose lecture upon or publish articles concerning any of Micron's, or its customers', products, processes and services, including information relating to research, development, design, inventions, manufacture, purchasing, accounting, engineering, personnel, marketing, merchandising, and selling (hereinafter called "Confidential Information").

b) The employee will not trade or have the appearance of trading Micron stock based on any company inside information.

c) Safeguards - The employee agrees to take reasonable safeguards to protect and respect Micron's confidential and technical information such as:

i) Accessing only such information as is necessary to perform his function and limiting access of information under his control to only such other Micron employees as is necessary to perform their functions.

ii) All documents, drawings, and writings which contain Micron technical information shall be maintained in a locked file separate and apart from other information in the employee's possession and shall be removed therefrom only as needed to carry out the purposes authorized by performance of employee's duties and responsibilities.

d) Upon termination of employment with Micron, all documents, records, notebooks, and similar repositories of or containing Confidential information, including copies thereof, then in the Employee's possession, whether prepared by him or others, will be left with Micron.

This agreement has been read, understood and is agreed to:

25 March 1992

Date

J. Pawlowski

Employee

Lou Montgomery

Witness