505923857 02/19/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
WISCONSIN ALUMNI RESEARCH FOUNDATION	02/18/2020

RECEIVING PARTY DATA

Name:	NATIONAL SCIENCE FOUNDATION	
Street Address:	2415 EISENHOWER AVENUE	
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State/Country:	VIRGINIA	
Postal Code:	22314	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	09270124

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DATE SIGNED:	02/19/2020	

Total Attachments: 1

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PATENT 505923857 REEL: 051970 FRAME: 0540

License to the United States Government

Executive Order 9424: Government Support License (Government Support Clause)

Invention Title: FIELD REORDERING TO OPTIMIZE CACHE UTILIZATION

Inventor(s): Trishul Chilimbi, Bob Davidson, James Larus

U.S. Filing/Issue Date: 3/15/1999

Patent or Application Serial No.: 09/270124

Grant/Contract Number(s): National Science Foundation 9625558

Foreign Applications filed/intended in (countries):

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

1. As required by 37 CFR 401.14 (f) (2) and Executive Order 9424:

This invention was made with government support under Grant/Contract Number(s) 9625558 awarded by the National Science Foundation. The government has certain rights in the invention.

2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 18 February 2020

By Michael Falk

(Name of Grantee/Contractor Official) (Signature

Michel Julk
(Signature)

Title Chief Intellectual Property and Licensing Officer

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RECORDED: 02/19/2020

PATENT REEL: 051970 FRAME: 0541