IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: J. Moon et al. Examiner: Jason L. Kost

Serial No.: 08/730,716 Art Unit: 2819

Filing Date: October 15, 1996 **Docket No.:** 1008.10-US-0

Patent No.: 5,859,601 **Confirmation No.:** 5726

Issue Date: January 12, 1999

Title: METHOD AND APPARATUS FOR IMPLEMENTING MAXIMUM TRANSITION

RUN CODES

STATUTORY DISCLAIMER UNDER 37 C.F.R. 1.321(a)

K&L Gates, LLP Pittsburgh, PA 15222 February 14, 2020

VIA EFS WEB

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Commissioner:

Regents of the University Of Minnesota is the owner of 100% of U.S. Patent No. 5,859,601, as evidenced by the assignment recorded at Reel 008358, Frame 0888. Regents of the University Of Minnesota hereby disclaims Claims 1-12, 15, 16 and 21 in U.S. Patent No. 5,859,601, pursuant to 37 C.F.R. 1.321(a).

Respectfully submitted,

/Mark G. Knedeisen/

Mark G. Knedeisen Registration No. 42,747

K&L Gates LLP K&L Gates Center 210 Sixth Avenue Pittsburgh, PA 15222 (412) 355-6342



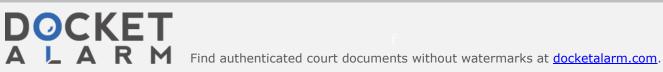
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DISCLAIMER IN PATENT UNDER 37 CFR 1.321(a)					
Name of Patentee Regents of the University of Minnesota	Docket Number (Optional)				
Patent Number 5,859,601	Date Patent Issued January 12, 1999				
METHOD AND APPARATUS FOR INTRANSITION RUN CODES	IPLEMENTING MAXIMUM				
I hereby disclaim the following complete claims in the above identified	d patent: Claims 1 - 12, 15, 16 and 21				
The extent of my interest in said patent is (if assignee of record, state liber and page, or reel and frame, where assignment is recorded): 100% (reel: 008358/ frame: 0888)					
The fee for this disclaimer is set forth in 37 CFR 1.20(d).					
Patentee claims small entity status. See 37 CFR 1.27.					
Small entity status has already been established in this case, a	and is still proper.				
A check in the amount of the fee is enclosed.					
Payment by credit card. Form PTO-2038 is attached.					
The Director is hereby authorized to charge any fees which may be required or credit any overpayment to Deposit Account No. <u>02-1818</u> .					
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
Signed at K&L Gates LLP , State of Pennsylvania , t	his 14th day of February 2020.				
/Mark G. Knedeisen/	42,747				
Signature Registration Number applicable					
Mark G. Knedeisen	412-355-6342				
Typed or printed name of patentee/ attorney or agent of record Telephone					
210 Sixth Avenue					
Address					
Pittsburgh, PA, 15222 City, State, Zip Code or Foreign Country as applicable					
	· ··				

This collection of information is required by 37 CFR 1.321. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**



Electronic Patent Application Fee Transmittal						
Application Number:	08730716					
Filing Date:	15-	Oct-1996				
Title of Invention:	METHOD AND APPARATUS FOR IMPLEMENTING MAXIMUM TRANSITION RUN CODES					
First Named Inventor/Applicant Name:	JAEKYUN MOON					
Filer:	Mark G. Knedeisen/Deirdre Morris					
Attorney Docket Number:	100	08.10-US-0				
Filed as Large Entity						
Filing Fees for Utility under 35 USC 111(a)						
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)	
Basic Filing:						
Pages:						
Claims:						
Miscellaneous-Filing:						
Petition:						
Patent-Appeals-and-Interference:						
Post-Allowance-and-Post-Issuance:						
CTATLITODY OD TEDMINIAL DISCLAIMED		101/	1	160	160	



Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
	Total in USD (\$)			160



PTO/AIA/81A (02-15)

Approved for use through 03/31/2021. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Patent Number 5,859,601 **PATENT - POWER OF ATTORNEY** Issue Date January 12, 1999 OR First Named Inventor JAEKYUN MOON **REVOCATION OF POWER OF ATTORNEY** Title METHOD AND APPARATUS FOR WITH A NEW POWER OF ATTORNEY IMPLEMENTING MAXIMUM AND TRANSITION RUN CODES CHANGE OF CORRESPONDENCE ADDRESS

			Attorney	Docket No.	1008.10-US-0		/
I hereby	y revoke all pr	evious powers of attorney given in the above-ident	tified pater	nt.			
A Power of Attorney is submitted herewith. OR I hereby appoint Practitioner(s) associated with the Customer Number identified in the box at right as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: OR I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: Practitioner(s) Name Registration Number						ransact	
OR The OR Firm Indiv	address assoc	nange the correspondence address for the above-identified Customer Number. Ciated with the above-identified Customer Number. Ciated with the Customer Number identified in the I		t:			
City				State		Zip	
Telephor	ne			Email			
Tam the: Applicant. OR Patent owner. Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on							
Clanatura		SIGNATURE of Applica	nt or Pate	nt Owner	-		
Signature Name		Paul B. Savereide			Date Fall	ruay 14,2	020
20.00.0		Section and the section of the secti	070027 00	016) / Dec	Telephone 612-624	-4100 /	
Title and Company Senior Associate General Counsel (per Presidential Delegations DA_070027 and 28016) / Regents of the University of Minnesota NOTE: Signatures of all the applicants or patent owners of the entire interest or their representative(s) are required. If more than one signature is required, submit multiple forms, check the box below, and identify the total number of forms submitted in the blank below. V A total of 1							

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a henefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO 9199 and select option 2.



DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

