



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/015,337	06/20/2025	7257582	IVIPR-RE90015337	6365

3624 7590 04/06/2026
VOLPE KOENIG
30 SOUTH 17TH STREET, 18TH FLOOR
PHILADELPHIA, PA 19103

EXAMINER

LIE, ANGELA M

ART UNIT	PAPER NUMBER
----------	--------------

3992

MAIL DATE	DELIVERY MODE
-----------	---------------

04/06/2026

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

DO NOT USE IN PALM PRINTER

(THIRD PARTY REQUESTER'S CORRESPONDENCE ADDRESS)

LEE & HAYES, P.C.
601 W. RIVERSIDE AVENUE
SUITE 1400
SPOKANE WA 99201

***EX PARTE* REEXAMINATION COMMUNICATION TRANSMITTAL FORM**

REEXAMINATION CONTROL NO. 90/015,337 .

PATENT UNDER REEXAMINATION 7257582 .

ART UNIT 3992 .

Enclosed is a copy of the latest communication from the United States Patent and Trademark Office in the above identified *ex parte* reexamination proceeding (37 CFR 1.550(f)).

Where this copy is supplied after the reply by requester, 37 CFR 1.535, or the time for filing a reply has passed, no submission on behalf of the *ex parte* reexamination requester will be acknowledged or considered (37 CFR 1.550(g)).

Notice of Intent to Issue Ex Parte Reexamination Certificate	Control No. 90/015,337	Patent Under Reexamination 7257582	
	Examiner ANGELA M LIE	Art Unit 3992	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. ☒ Prosecution on the merits is (or remains) closed in this *ex parte* reexamination proceeding. This proceeding is subject to reopening at the initiative of the Office or upon petition. *Cf.* 37 CFR 1.313(a). A Certificate will be issued in view of
 - (a) ☒ Patent owner's communication(s) filed: 2/17/2026.
 - (b) ☐ Patent owner's failure to file an appropriate timely response to the Office action mailed: _____.
 - (c) ☐ Patent owner's failure to timely file an Appeal Brief (37 CFR 41.31).
 - (d) ☐ The decision on appeal by the ☐ Board of Patent Appeals and Interferences ☐ Court dated _____
 - (e) ☐ Other: _____.
 2. The Reexamination Certificate will indicate the following:
 - (a) Change in the Specification: ☐ Yes ☒ No
 - (b) Change in the Drawing(s): ☐ Yes ☒ No
 - (c) Status of the Claim(s):
 - (1) Patent claim(s) confirmed: 1-14.
 - (2) Patent claim(s) amended (including dependent on amended claim(s)): _____
 - (3) Patent claim(s) canceled: _____.
 - (4) Newly presented claim(s) patentable: _____.
 - (5) Newly presented canceled claims: _____.
 - (6) Patent claim(s) ☐ previously ☐ currently disclaimed: _____
 - (7) Patent claim(s) not subject to reexamination: _____.
 3. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
 4. ☒ Note the attached statement of reasons for patentability and/or confirmation. Any comments considered necessary by patent owner regarding reasons for patentability and/or confirmation must be submitted promptly to avoid processing delays. Such submission(s) should be labeled: "Comments On Statement of Reasons for Patentability and/or Confirmation."
 5. ☐ Note attached NOTICE OF REFERENCES CITED (PTO-892).
 6. ☒ Note attached LIST OF REFERENCES CITED (PTO/SB/08 or PTO/SB/08 substitute).
 7. ☐ The drawing correction request filed on _____ is: ☐ approved ☐ disapproved.
 8. ☐ Acknowledgment is made of the priority claim under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the certified copies have
 - ☐ been received.
 - ☐ not been received.
 - ☐ been filed in Application No. _____.
 - ☐ been filed in reexamination Control No. _____.
 - ☐ been received by the International Bureau in PCT Application No. _____.
- * Certified copies not received: _____.
9. ☐ Note attached Examiner's Amendment.
 10. ☐ Note attached Interview Summary (PTO-474).
 11. ☐ Other: _____.

All correspondence relating to this reexamination proceeding should be directed to the **Central Reexamination Unit** at the mail, FAX, or hand-carry addresses given at the end of this Office action.

/ANGELA M LIE/
Primary Examiner, Art Unit 3992

cc: Requester (if third party requester)

**NOTICE OF INTENT TO ISSUE EX PARTE REEXAMINATION CERTIFICATE
(NIRC)**

Claim Interpretation

The present reexamination is being examined under the pre-AIA first to invent provisions.

US Patent No. 7,257,582 to Rothschild has been filed on February 27, 2003. Furthermore, it is noted that the patent term has been extended or adjusted under 35 U.S.C. 154(b) by 912 days. Even including the extension, the '582 patent is no expired.

Accordingly, the claims are interpreted according to Phillips Claim Construction Standard, which considers the entire patent specification and relevant contextual information. *See In re Morris*, 127 F.3d 1048, 1054 (Fed. Cir. 1997).

Furthermore, based on the Patent Owner's arguments filed on February 17, 2026¹ and Declaration of Dr. Daniel Abadi also filed on February 17, 2026, the Examiner would like to clarify interpretation of few phrases recited in the independent claim 1.

Phrase #1: *“logically subdividing records of [said] input file into a plurality of partitions”*

Partitions are defined as *“A logical partition in this context is a well-defined part of the input or output. A very simple way to define a partition, which in many cases is the most efficient, would be to define the partitions as consecutive ranges on the input or output, ranging from one relative byte address to another relative byte address or from one relative track address to another”*. (3:36-41)

Furthermore, it is also explained in (3:52-59), that the logical partition does not rely on actual reading of the file but rather on its offset (*“Note that the logical partition does not rely on*

¹ see pages 4-9 and 16-27

actual reading of the file. The actual reading of the file is reserved to the subtasks which read the partitions allocated to them. A splitting function may be allocating offset 0 to offset 100000 to a first partition, offset 100001 to 200000 to the second partition, offset 200001 to 300000 to the third partition and 300001 to the end of the file to a fourth partition”).

Phrase #2: *“repeating step(c) in at least some of the subtask processors each with another unprocessed partition on a first-come/first-served basis”*

This phrase is explained in (3:67-4:3): *“Each Sub Task finds the subdivision of the input in the control file 4. Each such Sub Task then repeatedly tries to allocate for itself and then process, an input partition that has not been allocated yet”.*

Information Disclosure Statement

Requester’s Information Disclosure Statement (IDS), filed January 16, 2026, has been received and entered into the record. Since the IDS complies with the provisions of MPEP § 2280, the references cited therein have been considered by the examiner.

With respect to the Information Disclosure Statements considered with this action, the information cited has been considered as described in the MPEP. Note that MPEP §§ 2256 and 2656 indicate that the degree of consideration to be given to such information will be normally limited by the degree to which the party filing the information citation has explained the content and relevance of the information. Information that does not appear to be “patents or printed publications” as identified in 35 U.S.C. 301 have been considered to the same extent.

Statement of Reasons for Patentability and/or Confirmation

Claims 1-14 are confirmed.

The following is an Examiner's statement of reasons for patentability and/or confirmation of the claims found patentable in this reexamination proceeding:

Regarding claim 1, Iyers and Reeves do not anticipate nor render obvious (a) automatically determining file allocation and logically subdividing records of said input file into a plurality of partitions; (b) distributing descriptions of all of said partitions to each of a plurality of subtask processors c) simultaneously executing at least a respective one of the subtasks of the computer-executable process in each of at least some of said processors on a respective one of the partitions with each subtask reading and processing the respective partition so as to process the respective partition and produce respective subtask output and; d) thereafter repeating step (c) in at least some of the subtask processors each with another unprocessed partition on a first-come/first-served basis; and (e) generating at least one output combining all of the subtask outputs and reflecting the processing of all of said subtasks.

With respect to claims 2-14, those claims are also confirmed by the virtue of their dependency on claim 1.

After consideration of the Patent Owner's argument filed on February 17, 2026, the Examiner agrees with the following:

Iyers teaches the system where input file/list is passed to the processor so that they can subdivide the data into plurality partitions (i.e. elements). In contrast, claim 1 recites “*logically subdividing records of [said] input file into a plurality of partitions*” before those partitions reach subtask processors.

Furthermore, the Examiner also agrees that Reeves does not appear to teach subdividing input file into partitions in the manner as disclosed in claim 1, because Reeve teaches pre-processor performing automatic tiling wherein annotations/directives are inserted to enable parallel execution². As explained in the “Claim Interpretation” section above, subdividing input files into partitions involves the step wherein “*the logical partition does not rely on actual reading of the file. The actual reading of the file is reserved to the subtasks which read the partitions allocated to them. A splitting function may be allocating offset 0 to offset 100000 to a first partition, offset 100001 to 200000 to the second partition, offset 200001 to 300000 to the third partition and 300001 to the end of the file to a fourth partition*” (3:52-59).

Accordingly, The Examiner has concluded that neither Iyers nor Reeve sufficiently discloses the claimed limitation which are interpreted in accord with “Claims Interpretation” section, further wherein the steps disclosed in claim 1 are performed in the sequence as claimed.

Any comments considered necessary by Patent Owner regarding the above statement must be submitted promptly to avoid processing delays. Such submission by the Patent Owner should be labeled: “Comments on Statement of Reasons for Patentability and/or Confirmation” and will be placed in the reexamination file.

² US Patent No. 5,535,393 to Reeve 8:1 -5 and 9:37-45

Conclusion

The patent owner is reminded of the continuing responsibility under 37 CFR 1.565(a) to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving Patent No. 5,724,092 throughout the course of this reexamination proceeding. The third party requester is also reminded of the ability to similarly apprise the Office of any such activity or proceeding throughout the course of this reexamination proceeding. See MPEP §§ 2207, 2282 and 2286.

Any document filed by the Patent Owner must be served on the third party requester (or requesters in a merged proceeding) in the reexamination proceeding in the manner provided by 37 C.F.R. § 1.248. See 37 C.F.R. § 1.550(f) and MPEP § 2266.03.

All correspondence relating to this *ex parte* reexamination proceeding should be directed:

Patent Center

The USPTO is retiring EFS-Web and Private Pair, effective 15 November 2023. Please use Patent Center (<https://www.uspto.gov/patents/apply/patent-center>) to file and manage your applications and requests. Visit the EFS-Web and Private PAIR Retirement (<https://www.uspto.gov/patents/efs-web-and-private-pair-be-retired>) and Patent Center Information pages for more information.

By Mail to: Mail Stop Reissue
Central Reexamination Unit
Commissioner for Patents
United States Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

By FAX to: (571) 273-9900
Central Reexamination Unit

By hand: Customer Service Window
Knox Building
501 Dulany Street
Alexandria, VA 22314

Patent Center has 100% of the functionality of EFS-Web and Private PAIR, and is available to all users for electronic filing and management of patent applications. Attend a transition to Patent Center Training session (<https://www.uspto.gov/about-us/events/patent-center>) to learn more about filing and managing patent applications.

Any inquiry concerning this communication should be directed to the Central Reexamination Unit at telephone number 571-272-7705.

/ANGELA M LIE/
Primary Examiner, Art Unit 3992

Conferee:

/ANDREW J. FISCHER/
Supervisory Patent Reexamination Specialist, Art Unit 3992