Exhibit 2026

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

HANWHA SOLUTIONS CORPORATION,
Petitioner

v.

MAXEON SOLAR PTE, LTD.,
Patent Owner

Case IPR2024-01199
U.S. Patent No. 8,878,053

DECLARATION OF MARY K. BOLIN

DECLARATION OF DR. MARY K. BOLIN

I, Mary K. Bolin, declare as follows:

1. I am Emeritus Professor at the University of Nebraska, Lincoln Libraries. I have held the following positions: Professor and Catalog and Metadata Librarian, Digital Initiatives and Special Collections Department, University of Nebraska—Lincoln Libraries (2015–2020); Professor and Chair, Discovery and Resource Management and Coordinator of Collection Development, University of Nebraska, Lincoln Libraries (2004–2015); Lecturer, San José State University School of Information: Lecturer, (2008–present); Head of the Technical Services Department, University of Idaho Library (1993–2003; promoted to Professor in 1999); Head of the Cataloging Department, University of Idaho Library (1986–1993; promoted to Associate Professor and tenured in 1991); Head of Records Maintenance Section, Cataloging Department, University of Georgia Libraries (1981–1986).

2. Over the course of my work as a librarian, professor, researcher, student research supervisor, and author of numerous scholarly papers and other publications, I have had extensive experience with cataloging records and online library management systems built around Machine-Readable Cataloging (MARC) standards. I also have substantial experience in authenticating printed documents and establishing the date when they were accessible to ordinarily skilled researchers.

3. Attachment A is my full resume.

4. I have been retained by counsel for Maxeon Solar PTE. LTD. ("Patent Owner") to evaluate, authenticate, and establish the dates of public availability of certain documents in the above-captioned cases. For my time performing this service, I am being paid my usual hourly fee. I have no financial interest in this litigation, or affiliation with Patent Owner. My compensation is

not dependent upon the outcome of, or my testimony in, this litigation or any other proceeding, including before the U.S. Patent Office.

A. Documents of Interest

5. The documents that are the subject of this declaration are the following:

Document 1. Gan, Jon-Yiew. *Polysilicon emitters for silicon concentrator solar cells.* Stanford University, 1990.Methodology – Ex. 2003.

6. I searched each of these documents in the OCLC database, Google Scholar, and one or more subscription databases such as IEEE Xplore and ACM Digital Library. I also searched the library catalogs of institutions such as the University of Nebraska—Lincoln and other large research libraries. My goal was to find a record in one of these databases that contained a date indicating when the document was available to the public.

7. *Use of MARC Records*. The "Machine Readable Cataloging" standard, also known as "MARC," is an industry-wide standard method of organizing library catalog information. The Library of Congress first developed MARC in the 1960s. A MARC-compatible library is one that has a catalog consisting of individual MARC records for each of its works. Today, MARC is the primary communication protocol for the transfer and storage of bibliographic metadata in libraries.

8. OCLC is a database of MARC records used by libraries worldwide. When an OCLC-participating institution acquires a work, it creates a MARC record for this work in its computer catalog system, and OCLC automatically supplies the date of creation. The MARC record creation date reflects the date on which (or shortly after) the item was first acquired and catalogued. Once the MARC record is created by a cataloger at an OCLC-participating member institution, it is instantaneously available to any OCLC-participating members, and, therefore available to the public.

9. A MARC record comprises several fields, each of which contains specific data about the work. Each field is identified by a standardized, unique, three-digit code corresponding to the type of data that follows. For example, a work's title is recorded in field 245, the primary author of the work is recorded in field 100, an item's International Standard Book Number ("ISBN") is recorded in field 020, an item's Library of Congress call number is recorded in field 050, and the publication date is recorded in field 260 or 264 under the subfield "c." If a work is a periodical, then its publication frequency is recorded in field 310, and the publication dates (*e.g.*, the first and last publication) are recorded in field 362, which is also referred to as the enumeration/chronology field. The library that created the record is recorded in field 040 in subfield "a" with a unique library code. When viewing the MARC record online via OCLC's Worldshare Record Manager database, hovering over this code with the mouse reveals the name of the library. I used this method of "mousing over" the library codes in the OCLC database to identify the originating library for all of the MARC records in this declaration, as well as the "display holdings" command to see a list of libraries that own the item. In the MARC records in the OCLC Worldshare Record Manager database, MARC field 040 contains the OCLC symbols of institutions transcribing, creating, and modifying the record.

10. OCLC was created "to establish, maintain and operate a computerized library network and to promote the evolution of library use, of libraries themselves, and of librarianship, and to provide processes and products for the benefit of library users and libraries, including such objectives as increasing availability of library resources to individual library patrons and reducing the rate of rise of library per-unit costs, all for the fundamental public purpose of furthering ease of access to and use of the ever-expanding body of worldwide scientific, literary and educational

knowledge and information."[1] Among other services, OCLC and its members are responsible for maintaining the WorldCat database (http://www.worldcat.org/), which is used by independent and institutional libraries throughout the world. OCLC is the international cooperative to which libraries catalog records and others pay to access MARC records. The MARC records referenced in this declaration, extracted from the OCLC database, were generated in the ordinary course of business. Further, I personally located and downloaded each of these records associated with the documents on which my declaration focuses.

11. OCLC provides its members online access to MARC records through its OCLC Worldshare Record Manager database. When an OCLC member institution acquires a work, it creates a MARC record for this work in its computer catalog system in the ordinary course of its business. MARC records created at the Library of Congress are batch-loaded into the OCLC database through a subscription to MARC Distribution Services daily or weekly. Once the MARC record is created by a cataloger at an OCLC member institution or is tape-loaded from the Library of Congress, it is then made available to any other OCLC members online, and, therefore, made available to the public.

12. When an OCLC member institution creates a new record, OCLC automatically supplies the date of creation for that record. The MARC record creation date reflects the date on which, or shortly after which, the item was first acquired or cataloged.

13. The date of creation for the MARC record appears in the fixed field (008), characters 00 through 05. Field 005 is a 16 digit field that records the Date characters yyyymmdd including 4 for the year, 2 for the month, and 2 for the day. The Date entered on file never changes.

[1] Third Article, Amended Articles of Incorporation of OCLC Online Computer Library Center, Incorporated (available at http://www.oclc.org/en-US/membership/councils.html).

These dates are automatically supplied by the OCLC system and cannot be changed by the user. When the MARC record is created in OCLC, it is available throughout the world to other libraries and in WorldCat, the public version of OCLC Connexion. Thus, the date of creation of the MARC record by a cataloger at an OCLC member institution reflects when the underlying item is accessible to the public.

14. For each of Documents 1-??, I included a search of OCLC, www.oclc.org, which is a large shared database used by libraries around the world to create and exchange cataloging data, using MARC format, which is a universal communications format for that data.

15. For those documents for which there is a record in OCLC, I determined when the record was created and which libraries own the item. I then visited the website of the library or libraries that own the item, searched their library catalog, and determined when the item was added to the library's collection.

16. I am familiar with many online catalogs, databases, and search engines. In preparing for this declaration, I used authoritative information systems such as the above-mentioned WorldCat (https://www.worldcat.org), the online catalog of the Library of Congress (https://catalog.loc.gov), shared research databases such as ResearchGate and CiteSeerX, the online catalog of a number of large research libraries such as the University of Nebraska—Lincoln, IEEExplore, and Google Scholar search for records. These records are identified and discussed in this declaration.

B. Document 1

17. The following are my opinions with respect to the authenticity and public availability of Document 1

1. Authentication of Document 1

18. Document 1 Gan, Jon-Yiew. *Polysilicon emitters for silicon concentrator solar cells*. Stanford University, 1990.

19. There is a MARC record in OCLC Document 1 with a creation date of April 10, 1991.

20. There is a MARC record in the catalog of the Stanford University library with a creation date of April 10, 1991.

21. Attachment B is a PDF of the MARC record for Document 1 from OCLC.

22. Attachment C is a PDF of the MARC record for Document 1 from the Stanford of University libraries catalog.

2. Public Availability of Document 1

23. Based on the facts that a MARC record for Document 1 is found in OCLC with a creation date of April 10, 1991, and in the catalog of the Stanford University libraries with a creation date of April 10, 1991, it is my opinion that Document 1 was available in April 1991 and could have been located by a skilled researcher.

* * *

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like are punishable by fine, imprisonment, or both, under Section 1001 of Title 18 of the U.S. Code. I state under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Executed this March 25, 2025, in Lincoln, Nebraska.

Mary K. Bolin

ATTACHMENT A

Mary K. Bolin, PhD
2433 U Street
Lincoln, Nebraska 68503
mary@marykbolin.com

Mary K. Bolin, PhD

Professor Emeritus
University Libraries
University of Nebraska—Lincoln
mbolin2@unl.edu

Lecturer,
School of Information
San José State University
mary.bolin@sjsu.edu

EDUCATION

PhD, Educational Studies (Educational Leadership and Higher Education), 2007, University of Nebraska

Dissertation: *A Typology and Discourse Analysis of the Status and Appointments of Librarians at Land Grant Universities* (available at digitalcommons.unl.edu)

MA, English, 1999, University of Idaho
Thesis: *Grace: A Contrastive Analysis of a Biblical Semantic Field* (available at digitalcommons.unl.edu)

MSLS, 1981, University of Kentucky

BA, Linguistics, 1976, University of Nebraska—Lincoln

WORK EXPERIENCE

Center for Digital Research in the Humanities. Fellow, 2019- Emeritus, 2020-

University of Nebraska--Lincoln Libraries: Professor and Catalog and Metadata Librarian, Digital Initiatives and Special Collections, 2015-2020. Emeritus, 2020-

University of Nebraska—Lincoln Libraries: Professor and Chair, Discovery and Resource Management, 2004-2015; Coordinator of Collection Development, 2012-2015

University of Idaho Library: Head, Technical Services Department, 1993-2003. Promoted to Professor in 1999

University of Idaho Library: Head, Cataloging Department, 1986-1993. Promoted to Associate Professor and tenured, 1991

University of Georgia Libraries: Head, Records Maintenance Section, Cataloging Department, 1981-1986

Teaching:
San José State University School of Information:

LIBR 281, Metadata. 2009-
LIBR 248, Introduction to Cataloging and Classification. 2013-
LIBR 202, Information Retrieval. 2008-2013

Associate Coordinator, Gateway PhD program, San Jose State University, 2021-

American Library Association

Cataloging for Non-Catalogers, Online Continuing Education Course, 2017-
Intermediate Cataloging for Non-Catalogers, Online Continuing Education Course, 2018-

Lyrasis

Webinar on BibFrame, taught twice a year, 2020-
Quick and Clean Cataloging, Parts 1, 2, and 3. 2022-

Independent Study in Idaho

Library Science C415, Technical Services for Small Libraries, 2004-2013
Library Science C416, Library Services to Rural Libraries, 2004-2013
Library Science C422, Use of the School Library, 1999-2013

Library Science C425/525, Organization and Management of Small Libraries, 1988-2013
Library Science C427, Library or Media Center Practicum, 1995-2013

Gateway PhD Program (San Jose State University and Queensland University of Technology). SJSU supervisor for two PhD students, 2015-

Gateway PhD Program (San Jose State University and Manchester Metropolitan University). Associate Coordinator, 2021-

Consulting
Expert witness for multiple attorneys employed by Wolf, Greenfield & Sacks, P.C., Hughes Hubbard & Reed LLP, and other firms. 2017-

Editing
Language and academic editing for EditSprings, a service for international scholars, 2020-

SCHOLARSHIP

Refereed Publications:

(Publications available from digitalcommons.unl.edu)

Bolin, Mary K. (2022). "Academic Libraries and Writing Centers: Collaborations at US Public Research Universities." *School of Information Student Research Journal, 11*(2). Retrieved from https://scholarworks.sjsu.edu/ischoolsrj/vol11/iss2/2

Bolin, Mary K. (Forthcoming 2022). *Refocusing Academic Libraries through Learning and Discourse: The Idea of a Library*. Oxford, UK: Chandos/Elsevier.

Bolin, Mary K. (2022). "Metadata, Catalog Systems, Linked Data, and the Evolving ILS." In: Sandra Hirsh (Ed.), *Information Services Today: An Introduction.* 3rd ed. New York: Rowman and Littlefield.

Pytlik Zillig, Brian, and Mary K. Bolin. (Forthcoming) "Visualization of Semantic Primes in Texts from Early Modern English Drama." *Journal of the Japanese Association for the Digital Humanities.*

Wintermute, Harriet E., and Bolin, Mary K. (2018). “Metadata Generators for Backlog Reduction: Metadata Maker Streamlines Cataloging and Facilitates Transition. *Technical Services Quarterly 35*(2) doi: https://doi.org/10.1080/07317131.2018.1422879

Bolin, Mary K. (2018). “Metadata, Catalog Systems, Linked Data, and the Evolving ILS.” In: Sandra Hirsh (Ed.), *Information Services Today: An Introduction.* 2nd ed. New York: Rowman and Littlefield.

Bolin Mary K. (2017). *The 21-century Academic Library: Global Patterns of Organization and Discourse.* Oxford: Chandos Publishing. (Chandos Information Professional Series)

Bolin, Mary K. (2017). Linguistics and LIS: A Research Agenda.” *SLIS Student Research Journal,* 7:1.
Retrieved from http://scholarworks.sjsu.edu/slissrj/vol7/iss1/2

Bolin, Mary K. (2014). "Open Access Web Resources for Library Continuing Education and Training." In S. Hines (Ed.), *Revolutionizing the Development of Library and Information Professionals: Planning for the Future* (pp. 107- 124). Hershey, PA: . doi:10.4018/978-1-4666-4675-9.ch008.

Bolin, Mary K. (2014). "The Language of Academic Librarianship: The Discourse of Promotion and Tenure. “*Advances in Library Administration and Organization 32*.

Bolin, Mary K. "Librarian Status at US Research Universities: Extending the Typology." *Journal of Academic Librarianship* 34:4 (September 2008)

Bolin, Mary K. "A Typology of Librarian Status at Land Grant Universities." *Journal of Academic Librarianship*, 34: 3 (May 2008)220:230.

Bolin, Mary K. "The Library and the Computer Center: Organizational Patterns at Land Grant Universities." *Journal of Academic Librarianship*, 31:1 (2005)

Eckwright, Gail Z. and Mary K. Bolin. "The Hybrid Librarian: The Affinity of Collection Management with Technical Services and the Organizational Benefits of an Individualized Assignment." *Journal of Academic Librarianship*, 27:6 (2001)452:457.

Bolin, Mary K. "Catalog Design, Catalog Maintenance, Catalog Governance," L*ibrary Collections, Acquisitions, and Technical Services.* 24: (2000)53-63.

Bolin, Mary K. "The Collegial Environment and the Functional Organization," *Journal of Library Administration*. 29:2(1999):49-61.

Bolin, Mary K. "Cataloging Environmental Impact Statements and Related Documents," *Resource Sharing and Library Networks*. 14:1(1999): 21-40.

Bolin, Mary K. "Waiting for the Electrician or Someone like Him: Client-Centered Technical Services" Proceedings of the Association of College and Research Libraries National Conference, Nashville, April 1997.
< http://www.ala.org/Content/ContentGroups/ACRL1/Nashville_1997_Papers/Bolin.htm >

Grants:

Electronic Theses and Dissertations. Seed Grant from University of Idaho Office of Research, 2002. Co PI with Gail Z. Eckwright. $6500.

Interoperability of Metadata for Thematic Research Collections. Grant to the Center for Digital Research in the Humanities from the Institute of Museum and Library Services 2005-2008. Project Team Member.
http://unlcms.unl.edu/cas/center-for-digital-research-in-the-humanities/projects/pages/iom_files/IOM_Final_Narrative_Report_July_2008.pdf

Other Publications:

Library Philosophy & Practice. Peer-reviewed electronic library science journal. Mary K. Bolin and Gail Z. Eckwright, founders and editors. http://digitalcommons.unl.edu/libphilprac

Library Science C415, Technical Services for Small Libraries, through Independent Study in Idaho. 2004.

Library Science C416, Library Services to Rural Libraries, through Independent Study in Idaho. 2004.

Library Science C422, Use of the School Library, through Independent Study in Idaho. Revised 1999.

Library Science C425/525, Organization and Management of Small Libraries through Independent Study in Idaho. Revised 2005.

Library Science C427, Library or Media Center Practicum, Independent Study in Idaho. Revised 1999.

Presentations:

Bolin, Mary K. “BibFrame and the MARC Cataloging Environment: an Introduction.” Lyrasis Webinar, June 16, 2020, August 17, 2021.. Recording available http://lyrasis.adobeconnect.com/paufo9e0dm30/

Pytlik Zillig, Brian, and Mary K. Bolin. “A Little More than Kin, a Little Less than Kind”: the Semantic Field Grace in Early Modern English" Poster Session, Text Encoding Initiative Meeting, Graz, Austria, September 18, 2019

Pytlik Zillig, Brian, and Mary K. Bolin. “Shakespeare and the Enumeration of Semantic Primes.” Research Paper Presentation, Text Encoding Initiative Meeting, Tokyo, Japan, September 13, 2018

"Library Philosophy and Practice: Creating and Maintaining an Open-Access E-Journal," Presentation to UNCL meeting (libraries at campuses of the University of Nebraska), Lincoln, Nebraska, March 20, 2008.

Presentation to "Thinking outside the Borders" participants on the open-access electronic journal Library Philosophy and Practice and its role in the international library community. University of Nebraska—Lincoln Libraries, October 24, 2007

Panel discussion on open access electronic journals. GWLA directors' meeting. Linda K. Hall Library, Kansas City, Missouri. April 2007.

"Waiting for the Electrician or Someone Like Him: Client-Centered Technical Services." Association of College and Research Libraries National Conference, Nashville, April 5, 1997.

" 'Some Problems of an Editor': the Idaho Librarian from Manuscript to Published Issue," Joint Annual Conference of the Idaho Library Association and the Washington Library Association, Spokane, Washington, April 6, 1995.

"Automating Idaho's Libraries: a Historical Perspective." Idaho Library Association Annual Conference, Idaho Falls, October 4, 1990.

"Small Library Management." Idaho Library Association Spring Conference, Lewiston, Idaho, May 13, 1989.

"No More 'Good Workers': Excellence and Academic Library Classified Staff." Association of College and Research Libraries 5th Annual Conference, Cincinnati, April 7, 1989.

"Communication to and from Cataloging Departments." Heads of Cataloging Discussion Group, American Library Association Midwinter Meeting, San Antonio, January 1988.

Discussion Leader at the LAMA (Library Administration and Management) Management Exchange. American Library Association Annual Meeting, San Francisco, June 1987.

"Staff Turnover." Heads of Cataloging Discussion Group, American Library Association Midwinter Meeting, Chicago, January 1987.

SELECTED PROFESSIONAL SERVICE

Reviewer. *Resources for College Libraries*. Linguistics bibliography, Spring 2020.

Peer reviewer for ALISE National Conference presentations, Spring 2020.

Peer reviewer for *Journal of Academic Librarianship,* 2012-

Peer reviewer for refereed journal, *Western Nigerian Journal of Medical Sciences* (http://www.wnjms.org/), a publication of Ladoke Akintola University of Technology (LAUTECH) Teaching Hospital, 2008-

PhD Reviewer for students from Aligarh Muslim University, India, 2010-

Outside reviewer for numerous library faculty promotion and tenure cases in US universities.

University of Nebraska--Lincoln

Chair, University Libraries Faculty, 2018

Faculty Senate Academic Rights and Responsibilities Committee, 2016- Chair, 2018-19

Faculty Senate – 2004-2008; 2008-2011

Faculty Senate Executive Committee 2004-2008

Academic Planning Committee (APC), 2005-2008; Vice Chair, 2006-2007; Chair, 2007-2008

Aesthetic Review Committee 2006-2007

APC monitor for academic program reviews: Department of Political Science, 2005; Department of Educational Psychology 2006

Pacific Northwest Library Association:

Editor, *PNLA Quarterly*, December 2002-December 2013

Idaho Library Association:

Editor, *The Idaho Librarian*, September 1990-January 1996

ATTACHMENT B

Bibliographic Record - OCLC Number: 38633126

LDR	Record Status	'c' - Corrected or revised
	Type of Record	't' - Manuscript language material
	Bibliographic Level	'm' - Monograph/Item
	Type of Control	' ' - No specified type of control
	Encoding Level	'M' - Added from a batch process
	Descriptive Cataloging Form	'a' - AACR2
001	38633126	
005	20231002175404.0	
008	Date Entered on File	'910410'
	Type of Date/Publication Status	's' - Single date
	Date1/Beginning Date of Publication	'1990'
	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'xx ' - No place, unknown, or undetermined
	Illustrations	' '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	'm '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
	Language Code	'eng' - English
	Modified Record	' ' - Record is not modified
	Cataloging Source Code	'd' - Other

040 STF **$b** eng **$c** STF **$d** OCLCQ **$d** UMI **$d** OCLCQ **$d** OCLCO **$d** OCLCF **$d** OCLCO **$d** OCLCQ **$d** OCLCO

090 **$b**

049 LDLL

100 1 Gan, Jon-Yiew.

245 1 0 Polysilicon emitters for silicon concentrator solar cells / **$c** by Jon-Yiew Gan.

264 0 **$c** 1990.

300 xv, 128 leaves, bound

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

502 **$b** Ph. D. **$c** Stanford University **$d** 1990

500 Submitted to the Department of Materials Science and Engineering.

500 Copyright by the author.

655 7 dissertations. **$2** aat

655 7 Academic theses **$2** fast

655 7 Academic theses. **$2** lcgft

655 7 Thèses et écrits académiques. **$2** rvmgf

856 4 2 **$3** ProQuest, Abstract **$u** http://gateway.proquest.com/openurl?url_ver=Z39.88-2004&rft_val_fmt=info:ofi/fmt:kev:mtx:dissertation&res_dat=xri:pqm&rft_dat=xri:pqdiss:9108821

ATTACHMENT C

Polysilicon emitters for silicon concentrator solar cells

Responsibility
by Jon-Yiew

Imprint
1990.

Physical descrip
xv, 128 leav

Online

Available online

Search ProQuest Dissertations & Theses. N
all titles available.

Report a connection problem

At the library

SAL3 (off-campus storage)
No public access

Stacks

3781 1990 G Availa

Special Collections
Closed today

On-site access

Collections are moving, which may affect access. Request materials as early as possi Maximum 5 items per day. Contact specialcollections@stanford.edu for information about access.

University Archives

3781 1990 G In-library use

More options

Find it at other libraries via WorldCat

Librarian View

Last updated in SearchWorks on January 26, 2025 6:05am

▼ Metadata

LEADER 00954cam a22002417a 4500			
001 a671582			
003 SIRSI			
008 910410s1990||||xx ||||||||||||| ||eng|d			
035			a| (Sirsi) ADH3573
035			a| (OCoLC-M)38633126
035			a| (OCoLC-I)272876127
040			a| CSt c| CSt d| OrLoB
100	1		a| Gan, Jon-Yiew.
245	1	0	a| Polysilicon emitters for silicon concentrator solar cells / c| by Jon-Yiew Gan.
260			c| 1990.
300			a| xv, 128 leaves, bound.
500			a| Submitted to the Department of Materials Science and Engineering.
500			a| Copyright by the author.
502			a| Thesis (Ph. D.)--Stanford University, 1990.
596			a| 21 31
710	2		a| Stanford University. b| Department of Materials Science and Engineering
856	4	1	z| Available to Stanford-affiliated users. z| Not all titles available. y| Search ProQuest Dissertations & Theses. u| https://search.proquest.com/pqdtlocal1005756?accountid=14026 x| sd
999	f	f	i| d46ef976-f9ce-5dde-b9a5-d2efb6772e1b s| cf6c105b-b29e-5247-9c45-1afd92f963d0

▶ Item details

▶ Holdings JSON

▶ FOLIO JSON

▶ Circulation rules

| Catkey: 671582