

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 IPR2024-01198
U.S. Patent No. 11,251,315

PATENT OWNER'S UPDATED EXHIBIT LIST

PATENT OWNER'S EXHIBIT LIST

Exhibit	Description
2001	Declaration of David Carroll, Ph.D. in Support of Patent Owner Preliminary Response
2002	Lamers et al., "Towards 21% Efficient N-CZ IBC based on Screen Printing," <i>26th European Photovoltaic Solar Energy Conference and Exhibition</i> , (2011)
2003	Desa et al., "Optimization of p-type Screen Printed Interdigitated Back Contact Silicon Solar Cell with Aluminum Back Surface Field," <i>International Journal of Engineering & Technology IJET-IJENS</i> , 14(2) (2014)
2004	Pham et al., "Dopant-grading proposal for polysilicon passivating contact in crystalline silicon solar cells," <i>Journal of Power Sources</i> , 522, 2022
2005	Procel et al., "Analysis of the Impact of Doping Levels on Performance of Back Contact – Back Junction Solar Cells," 4th International Conference on Silicon Photovoltaics, SiliconPV 2014, Italy, 2014, pp 128-132, ScienceDirect
2006	Federal Court Management Statistics (September 30, 2024)
2007	<i>Intentionally Left Blank</i>
2008	<i>Intentionally Left Blank</i>
2009	Invalidity Contentions, <i>Maxeon Solar Pte. Ltd. v. Canadian Solar Inc.</i> , Case No. 2:24-cv-00210-JRG (E.D. Tex. Sept. 6, 2024)
2010	<i>Intentionally Left Blank</i>
2011	<i>Intentionally Left Blank</i>
2012	<i>Intentionally Left Blank</i>
2013	<i>Intentionally Left Blank</i>
2014	<i>Intentionally Left Blank</i>
2015	<i>Intentionally Left Blank</i>
2016	"Nanotechnology improves solar cell efficiency," <i>EarthSky</i> , August 28, 2007 (accessible at https://earthsky.org/humanworld/nanotechnology-improves-solar-cell-efficiency ; last accessed October 14, 2024)
2017	"New Plastic Solar Cell Breaks Efficiency Record," <i>ScienceDaily</i> , April 20, 2007 (accessible at https://www.sciencedaily.com/releases/2007/04/070419140902.htm), last accessed October 14, 2024)

Exhibit	Description
2018	Capshaw-Mack, C., "Power Games: Project seeks to improve methods of harnessing solar energy," <i>Winston-Salem Journal</i> , August 4, 2013 (accessible at https://journalnow.com/news/local/article_1d243ff0-fc9e-11e2-b607-001a4bcf6878.html ; last accessed October 15, 2024)
2019	<i>Intentionally Left Blank</i>
2020	<i>Intentionally Left Blank</i>
2021	Docket Sheet, <i>Maxeon Solar Pte. Ltd. v. Canadian Solar, Inc.</i> , Case No. 2:24-cv-00210-JRG (E.D. Tex.)
2022	Docket Sheet, <i>Maxeon Solar Pte. Ltd. v. Hanwha Solutions Corp.</i> , Case No. 2:24-cv-00262-JRG (E.D. Tex.)
2023	Docket Sheet, <i>Maxeon Solar Pte. Ltd. v. REC Solar Holdings AS</i> , Case No. 2:24-cv-00260-JRG (E.D. Tex.)
2024	Counterclaims, <i>Maxeon Solar Pte. Ltd. v. Hanwha Solutions Corp.</i> , Case No. 2:24-cv-00262-JRG (E.D. Tex. Nov. 15, 2024)
2025	Petition for <i>Inter Partes</i> Review, Paper 1, <i>Canadian Solar, Inc. v. Maxeon Solar Pte. Ltd.</i> , Case No. IPR2024-01038 (PTAB June 25, 2024)
2026	Petition for <i>Inter Partes</i> Review, Paper 1, <i>Canadian Solar, Inc. v. Maxeon Solar Pte. Ltd.</i> , Case No. IPR2024-01194 (PTAB July 19, 2024)
2027	Declaration of Dr. Mary K. Bolin <i>Served and Not Filed</i>
2028	Declaration of Fred Schubert, Ph.D. in Support of Patent Owner's Response
2029	<i>Curriculum Vitae</i> of Fred Schubert, Ph.D.
2030	McGraw-Hill Dictionary of Scientific and Technical Terms, 6th ed. (2003) (excerpts)
2031	Merriam-Webster's Collegiate Dictionary, 11th ed. (2006) (excerpts)
2032	<i>Intentionally Left Blank</i>
2033	Coletti, G., "Sensitivity of State-of-the-Art and High Efficiency Crystalline Silicon Solar Cells to Metal Impurities," <i>Prog. Photovolt: Res. Appl.</i> 2013; 21, pp. 1163-1170

Exhibit	Description
2034	Vossier, A., et al., "Is Auger Recombination the Ultimate Performance Limiter In Connector Solar Cells?" Applied Physics Letters 97, 193509 (2010)
2035	Korte, L., et al., "Surface Photovoltage Investigation of Recombination at the a-Si/c-Si Heterojunction," Thin Solid Films 517, pp. 6396-6400 (2009)
2036	Cuevas, A., et al., "Extraction of the Surface Recombination Velocity of Passivated Phosphorous-Doped Silicon Emitters"
2037	Transcript of deposition of Zachary Holman, Ph.D. taken May 1, 2025
2038	https://www.ioffe.ru/SVA/NSM/Semicond/Si/electric.html (accessed May 20, 2025)
2039	Declaration of Dr. Mary K. Bolin
2040 <i>New</i>	Declaration of Jacob A. Snodgrass Regarding Supplemental Evidence <i>Served and Not Filed</i>

Respectfully submitted,

Date: June 5, 2025

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CERTIFICATE OF SERVICE

I certify that the foregoing Patent Owner's Updated Exhibit List was served on Petitioner's counsel of record by electronic notification through P-TACTS and email to:

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