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Citation origin	Publication	Title	Earliest priority date	Publication date	Applicants	IPC	CPC
SEA	**DE102012107472A1**	Solar cell for solar panel, has dielectric layer provided with openings through which electrical layer is contacted with backside of silicon substrate, and p-doped back-side selective emitter provided at silicon substrate	2012-08-15	2014-02-20	SOLARWORLD INNOVATIONS GMBH [DE]	H01L31/0216, H01L31/0224, H01L31/068, H01L31/18	H10F10/14 (EP), H10F71/121 (EP), H10F77/211 (EP), H10F77/311 (EP), Y02E10/547 (EP), Y02P70/50 (EP)
SEA	**CN104952943A**	High-efficiency solar cell structures and methods of manufacture	2009-04-21	2015-09-30	TETRASUN INC	H01L31/0216, H01L31/042, H01L31/18	H10F10/00 (KR), H10F10/165 (EP), H10F19/00 (CN), H10F71/00 (CN,KR), H10F71/128 (EP,CN,KR,US), H10F71/129 (EP,KR,US), H10F71/131 (EP,KR,US), H10F71/138 (KR,US), H10F77/211 (EP,KR,US), H10F77/244 (KR,US), H10F77/30 (KR), H10F77/311 (EP,CN,KR,US), H10F77/315 (KR,US), H10F19/33 (US), Y02E10/50 (KR,US), Y02E10/548 (EP), Y02P70/50 (EP,KR,US)
SEA	**CN206864484U**	Passivation contact solar cell	2017-07-12	2018-01-09	TAIZHOU ZHONGLAI PHOTOELECTRIC TECH CO LTD	H01L31/0216, H01L31/0224, H01L31/068, H01L31/18	Y02E10/546 (EP), Y02P70/50 (EP)
SEA	**CN208315578U**	Si base double -faced solar cell structure with local projecting pole characteristic	2018-03-12	2019-01-01	UNIV NANCHANG	H01L31/068	Y02E10/547 (EP)
SEA	**CN109256440A**	A selective passivation contact crystal silicon solar cell and a preparation method thereof	2018-09-17	2019-01-22	ZHEJIANG AIKO SOLAR ENERGY TECH CO LTD, GUANGDONG AIKO SOLAR ENERGY TECHNOLOGY CO LTD	H01L31/0216, H01L31/068, H01L31/18	H10F10/14 (CN,KR,US), H10F10/165 (EP), H10F71/121 (CN,KR), H10F71/1221 (US), H10F71/129 (CN,KR), H10F77/211 (EP), H10F77/311 (EP,CN,KR), H10F77/315 (EP,US), H10F77/703 (EP), Y02E10/546 (EP,KR), Y02E10/547 (EP,KR), Y02P70/50 (EP,KR)
SEA	**CN209104161U**	A selective passivation contact solar cell	2018-09-17	2019-07-12	ZHEJIANG AIKO SOLAR ENERGY TECH CO LTD, GUANGDONG AIKO SOLAR ENERGY TECHNOLOGY CO LTD	H01L31/0216, H01L31/068	Y02E10/546 (EP)
SEA	**CN110098279A**	Method for fabricating solar cell	2018-01-30	2019-08-06	SHANGHAI KINGSTONE SEMICONDUCTOR CORP	H01L31/0224, H01L31/18	H10F71/121 (CN), H10F77/215 (CN), Y02E10/547 (EP), Y02P70/50 (EP)

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SEA	**CN110137274A**	Double-sided passivation contact P-type high-efficiency battery and preparation method thereof	2019-05-24	2019-08-16	TONGWEI SOLAR HEFEI CO LTD, TONGWEI SOLAR CHENGDU CO LTD	H01L31/0216, H01L31/0224, H01L31/0236, H01L31/028, H01L31/0352, H01L31/18	H10F71/121 (CN), H10F77/122 (CN), H10F77/14 (CN), H10F77/211 (CN), H10F77/315 (CN), H10F77/703 (CN), Y02P70/50 (EP)
SEA	**CN110265494A**	Local back-field TOPCon solar cell and preparation method thereof	2019-07-12	2019-09-20	JOLYWOOD SUZHOU SUNWATT CO LTD, TAIZHOU ZHONG LAI PHOTOELECTRIC TECH CO LTD	H01L31/0216, H01L31/0224, H01L31/0236, H01L31/0352, H01L31/18	H10F71/137 (CN), H10F77/14 (CN), H10F77/219 (CN), H10F77/315 (CN), H10F77/70 (CN), Y02E10/50 (EP), Y02P70/50 (EP)
SEA	**CN105742391A**	Tunnel silicon oxide passivated contact solar cell and preparation method thereof	2016-04-27	2016-07-06	NINGBO INST MAT TECH & ENG CAS	H01L31/0216, H01L31/048	H10F19/80 (CN), H10F19/804 (CN), H10F77/30 (CN), H10F77/311 (CN), Y02E10/50 (EP)
SEA	**CN106057921A**	Micro-nano textured solar cell emitter, solar cell provided with same, and manufacturing method thereof	2016-07-20	2016-10-26	SUZHOU CSI SOLAR POWER TECH CO	H01L31/0224, H01L31/18	H10F71/137 (CN), H10F77/211 (CN), Y02E10/50 (EP), Y02P70/50 (EP)