

**UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON, D.C.**

**Before the Honorable Monica Bhattacharyya
Administrative Law Judge**

In the Matter of

**CERTAIN OUTDOOR AND SEMI-
OUTDOOR ELECTRONIC DISPLAYS,
PRODUCTS CONTAINING SAME, AND
COMPONENTS THEREOF**

Investigation No. 337-TA-1331

RESPONDENTS' NOTICE OF PRIOR ART

Pursuant to the Procedural Schedule (Order No. 7) and Ground Rule 5 (Order No. 2), and based on the claims asserted by Complainant Manufacturing Resources International, Inc. (“MRI” or “Complainant”), Respondents Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc. (collectively, “Samsung Electronics”), Samsung SDS Co. Ltd. and Samsung SDS America, Inc. (collectively, “Samsung SDS”), Industrial Enclosures Corporation d/b/a Palmer Digital Group (“Palmer”), Coates Signco Pty Limited and Coates US Inc., (collectively, “Coates”; collectively with respondents, “Respondents”), by their undersigned attorneys, hereby submit this Notice of Prior Art (“Notice”). The attached Exhibit 1 sets forth prior art relevant to the patents asserted by Complainant in this Investigation, i.e., U.S. Patent Nos. 8,854,595 (“the ’595 patent”), 9,173,322 (“the ’322 patent”), 9,629,287 (“the ’287 patent”), 10,506,740 (“the ’740 patent”), and 11,013,142 (“the ’142 patent”) (collectively, the “Asserted Patents”).

Respondents intend to rely on the prior art references identified in Exhibit 1 as invalidating prior art under 35 U.S.C. §§ 102 or 103, as anticipatory or as rendering obvious (alone or in

combination), as proof of an invalidating prior use, sale, or offer for sale, or to otherwise invalidate one or more claims of the Asserted Patents. Respondents may also rely on the references listed in Exhibit 1 for other purposes, including showing the state of the art during the relevant time periods and the information that would have been known to one of ordinary skill in the art. Respondents further may rely upon the persons identified herein as the prior inventors or as persons having knowledge of or having previously used or offered for sale the alleged inventions of the Asserted Patents. Respondents also reserve their right to rely upon Complainant's employees, former employees, consultants, and/or other persons affiliated with Complainant who may have knowledge of, or have previously used or offered for sale, the alleged inventions of the asserted patents and whose identities, knowledge, and whereabouts are within Complainant's possession, custody, and control.

Each reference, publication, and patent or patent application listed in Exhibit 1 includes and incorporates all references cited therein, regardless of whether a cited reference appears separately in Exhibit 1. In addition, identification of a patent or patent application should be understood as identifying any applications to which the patent or application claims priority, and any publication of the underlying or priority application. Identification of a patent application or patent application publication should be understood as identifying any patents that issued from the identified application or publication. Similarly, identification of a product should be understood as identifying the product itself as well as any related documentation. Identification of product documentation should be understood as identification of the product itself.

In addition to the references identified in Exhibit 1, Respondents may rely upon, and hereby incorporate into the Notice, the following: (i) prior art contained within the prosecution histories of the asserted patents; (ii) prior art contained within the prosecution histories of patents or patent

applications related to the asserted patents; (iii) prior art identified during the remainder of the discovery period including but not limited to, prior art identified in any interrogatory responses, hearing exhibits, and/or expert reports served in this Investigation.

This Notice is based on the priority dates as set forth in Respondents' initial invalidity contentions and in Respondents' forthcoming rebuttal contentions (to be served on January 18, 2023 in accordance with the Procedural Schedule). *See* Respondents' Joint Disclosure of Initial Invalidity Contentions in Response to Individual Interrogatories (served on December 14, 2022). Complainant has not met its burden of showing on a claim-by-claim basis that it is entitled to a priority date earlier than any of those dates. If Complainant contends or demonstrates that any of the asserted claims is entitled to an earlier priority date, Respondents reserve their right to amend this Notice, including identifying additional prior art references not currently listed in Exhibit 1.

Discovery is ongoing in this Investigation, and Complainant has not yet provided all the discovery requested by Respondents or supplied all of its contentions regarding certain issues, including validity. Accordingly, Respondents reserve the right to supplement, amend, or otherwise modify this notice as necessary based upon Complainant's contentions, further discovery and investigation, review of newly or yet-to-be produced documents, any discovery provided by third parties, and the disclosures of witnesses not yet deposed.

DATED: January 4, 2023

Respectfully submitted,

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CERTIFICATE OF SERVICE

I, Bruce Davis, hereby certify that on this 4th day of January, 2023, copies of the foregoing were served upon the following parties as indicated:

The Honorable Katherine M. Hiner Acting Secretary to the Commission U.S. International Trade Commission 500 E Street, S.W., Room 112 Washington, DC 20001-5327	VIA EDIS
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Exhibit 1
To Respondents' Notice of Prior Art

In the following sections, **Table 1** identifies each prior art patent or patent application by its country, number, title, first named inventor, priority date or filing date, and date of issue or publication. **Table 2** identifies each non-patent prior art publication by, where possible, its first author or publisher, reference title and relevant page numbers, date of publication, and short name. **Table 3** identifies each prior art product or system by, where possible, its brand name, product or model name, the date and location of the offer or sale, and the name and address of any corroborating witnesses.

Table 1: Prior Art Patents and Publications

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
United States	3,858,965	Five layer anti-reflection coating	Haruki Sumita	10/15/1973	1/7/1975
United States	4,327,803	Arrangements for cross-flow heat exchanger units	Herbert Muellejans	4/24/1979	5/4/1982
United States	4,488,193	Closed loop cooling system for disk file with heat exchanger integral with baseplate	Richard A. Davis	3/30/1983	12/11/1984
United States	4,896,218	Circularly polarized multi-bandpass interference contrast enhancement filter	Gerald L. Vick	9/4/1987	1/23/1990
United States	5,002,118	Heat recovery system	Richard W. Olmstead	1/16/1990	3/26/1991
Japan	JP1992097194A	LED Display device	Toshikatsu Kawai	8/9/1990	3/30/1992

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
Japan	JP3118907B2	Plasma display panel cooling device	Tatsuki Ohta	10/25/1991	12/18/2000
Japan	JPH08054834	Led display device	Haruo Kitamura	8/10/1994	2/27/1997
Japan	JPH8-152604A	Heating and cooling system for liquid crystal panel	Yukio Marumoto	11/29/1994	6/11/1996
Japan	JPH08305301	Liquid crystal display device	Naoki Yamada	5/10/1995	11/22/1996
Japan	JPH09246766A	Enclosed electronic equipment case	Yasuhiro Matsuo	3/13/1996	9/19/1997
Japan	JP1996152604A	Resin composition for automotive constant- velocity joint boot and molded automotive constant-velocity joint boot	Kazuhisa Senda	11/15/1996	11/9/2005
United States	5,748,269	Environmentally-sealed, convectively-cooled active matrix liquid crystal display (LCD)	David Bennitt Harris	11/21/1996	5/5/1998
Japan	JPH10-222076	Plasma display device	Nobuyoshi Kondo	2/5/1997	8/21/1998
United States	5,869,919	Air cooling for flat panel displays	Yasue Sato	3/12/1997	2/9/1999
Japan	JP1999068363A	Heat radiating structure for electronic equipment	Atsushi Takahashi	8/20/1997	3/9/1999
Korea	KR200163508U	Apparatus for driving intermittently two-side projection type advertising film	Lee Doo Pyung	10/1/1997	7/1/2000
United States	6,215,655	Drive-in ordering apparatus	Gregory S. Heady	10/31/1997	4/10/2001

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
United States	6,020,945	Display device with a transparent optical filter	Takayuki Sawai	11/10/1997	2/1/2000
United States	6,043,979	Heat-discharging LCD monitor	Jae-Soo Shim	12/4/1997	3/28/2000
United States	6,504,713	Ultra-rugged, high-performance computer system	Richard Pandolfi	1/22/1998	1/7/2003
Japan	JPH11-233967	Chassis member, chassis, and plasma display device provided with them	Shigeo Hirano	2/12/1998	8/27/1999
Japan	JP2000-112033	Video projecting device	Kenji Izumi	9/30/1998	4/21/2000
United States	5,991,153	Heat transfer system and method for electronic displays	Gregory S. Heady	10/30/1998	11/23/1999
United States	6,405,463	Illuminated display device	Norman Stephen Roddy	12/18/1998	6/18/2002
United States	6,392,727	Reduced reflectance polarized display	Brent D. Larson	12/31/1998	5/21/2002
United States	6,244,333	Corrugated folded plate heat exchanger	Charles J. Berg	5/19/1999	6/12/2001
United States	6,428,198	Display system having a light source separate from a display device	Robert Saccomanno	7/1/1999	8/6/2002
Japan	JP2001209125A	Projection type display device	Wasai Kiyotaka	1/21/2000	8/3/2001
United States	6,496,236	Multi-mode backlight for electronic device	James R. Cole	3/17/2000	12/17/2002
Japan	JP2001209126(A)	Projection type display device	Motoyuki Fujimori	3/24/2000	4/22/2002

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
Japan	JP2001326488A	Electronic equipment	Kamiguichi Kinya	5/16/2000	11/22/2001
Korea	KR200206768	A signpost plate including publicity and advertisement for lighting	Kang Hee Chen	6/19/2000	12/15/2000
Japan	JP2002006757A	Display device	Shinichi Homma	6/20/2000	1/11/2002
Korea	KR20010044073A	Lcd monitor	Deokhyun Cho	8/10/2000	3/18/2002
Japan	JP2002148714A	Display device	Takahide Aoyama	11/14/2000	5/22/2002
Japan	JP2002158475A	Hermetically sealed enclosure for planar display device	Yoshio Shimono	11/20/2000	5/31/2002
United States	2002/0122134A1	Video display array of sealed, modular units	Kevin Kalua	3/5/2001	9/5/2002
United States	6,742,583	Cooling system for a cabinet	Harri Tikka	3/19/2001	6/1/2004
Korea	KR200236278	Cover for billboard of train switch board	Cho Nam Ki	3/21/2001	10/8/2001
United States	6,493,440	Thermal management for a thin environmentally-sealed LCD display enclosure	Jonathan A. Gromatzky	4/23/2001	12/10/2002
Japan	JP2003036032A	Display device	Yamamoto Koichi	7/23/2001	2/7/2003
Japan	JP2003162228	Plasma display device	Takao Kochiyama	11/28/2001	6/6/2003
Japan	JP2003173147A	Display device	Kishima Takumi	12/5/2001	6/20/2003
United States	6,714,410	Apparatus for mounting and cooling a flat screen	Stefan Wellhofer	2/11/2002	3/30/2004
United States	2004/0025389	Continuous advertising medium and medium display device	Lee M. Peterson	2/20/2002	2/12/2004

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
United States	6,825,828	Backlit LCD monitor	Thomas J. Burke	2/21/2002	11/30/2004
United States	2004/0212548	Method and system for displaying advertising on an electronic display screen	Mark Ruttenberg	5/15/2002	10/28/2004
United States	2004/0223299	Method and system for displaying advertising on an electronic display screen	Prosenjit Ghosh	5/15/2002	11/11/2004
Korea	KR200286961	Rolling signboard	Heungdae Kim	6/3/2002	8/24/2002
United States	2003/0043091	Display system with cooling device	Yukihisa Takeuchi	9/4/2002	3/6/2003
United States	6,800,378	Antireflection films for use with displays	A. Nader Hawa	10/14/2002	10/5/2004
United States	6,807,051	Display apparatus	Hitoshi Takahashi	12/5/2002	10/19/2004
Japan	JP2004193002A	Area light source device and display device	Seiji Sakai	12/12/2002	7/8/2004
United States	6,798,655	Liquid cooling system for all-in-one computer	Kenichi Nagashima	1/21/2003	9/28/2004
Japan	JP2004-285940	Tool for discriminating ring-like part	Yasuo Tanaka	3/24/2003	10/14/2004
United States	7,190,416	Liquid crystal display with touch panel having internal front polarizer	Michael V. Paukshto	3/27/2003	3/13/2007
United Kingdom	GB 2,402,205	A display system cabinet and display system including heat removal means	Leslie John Yare	5/20/2003	12/1/2004

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
Japan	JP2005017434	Liquid crystal display module and manufacturing method of same	Shoko Shou	6/24/2003	1/20/2005
United States	2005/0073639	Heat dissipating structure of liquid crystal display	Shin-Tung Pan	10/6/2003	4/7/2005
United States	7,157,838	Light emission display arrangements	Robbie Thielemans	10/8/2003	1/2/2007
United States	2004/0135482	Light emission display arrangements	Robbie Thielemans	10/8/2003	1/2/2007
Korea	KR20050036254A	Plasma display module with air cooling system	Jeong Woo Man	10/15/2003	4/20/2005
Japan	JP2005134849A	Information display device	Yoshinao Mizuno	10/31/2003	5/26/2005
Japan	JP2005181799	Display device	Susumu Katayama	12/22/2003	8/17/2005
Japan	JP2005292939	Vending machine	Shimizu Yukio	3/31/2004	10/20/2005
United States	7,161,803	Cooling system for an electronic display	Gregory S. Heady	4/12/2004	1/9/2007
Japan	JP2005332253	Advertising unit	Shimizu Yukio	5/20/2004	12/2/2005
Japan	JP2006010851	Image display device	Takeshi Matsunaga	6/23/2004	1/12/2006
Korea	KR200366674U	Air cleaner having a advertising plate	Hwang Jung Sook	7/30/2004	11/6/2004
Korea	KR20060016469	Back light unit and liquid crystal display apparatus having the same	Na Dong-Gyun	8/18/2004	2/22/2006
United States	2005/0127796	Audio/video display equipment for gas pumps	Lee David Olesen	10/28/2004	6/16/2005

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
Korea	KR20060054742	Liquid crystal display module using led	Heejung Park	11/16/2004	5/20/2011
Japan	JP2006163217A	Outdoor display device	Takahisa Nagayama	12/10/2004	6/22/2006
Japan	JP2006198344	Game machine	Takaaki Ichihara	1/24/2005	8/3/2006
PCT International Patent Publication	WO 2005/079129	Procedure and apparatus for controlling the temperature of a display surface	Juhani Viitanen	2/14/2005	8/25/2005
Korea	KR20060091898	Plasma display device	Donghyuk Shin	2/16/2005	8/22/2006
United States	7,170,759	Display apparatus	Takayuki Soga	3/8/2005	1/30/2007
Japan	JP2006293062A	Thin display device	Takiuchi Yoshio	4/12/2005	10/26/2006
United States	7,284,874	LED backlight unit including cooling structure	In Suk Jeong	4/29/2005	10/23/2007
Japan	JP2006317494A	Display device	Nanbu Taketoshi	5/10/2005	11/24/2006
Korea	KR20060120904A	Structure for cooling a electronic device and plasma display apparatus comprising the same	Myeong-Gon Kim	5/23/2005	5/23/2005
Korea	KR20060120904	Structure for cooling a electronic device and plasma display apparatus comprising the same	Myung-Gon Kim	5/23/2005	11/28/2006
Japan	JP2006330196A	Plasma television and video display device	Hitoshi Tachikawa	5/24/2005	12/7/2006
Korea	KR20070002494A	Back light unit	Kim Gi Bin	6/30/2005	1/5/2007
United States	7,269,023	Display panel device	Masahiro Naganos	7/11/2005	9/11/2007

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
United States	2007/0021217	AD decorative/ protecting structure for base of game machine	David Wu	7/19/2005	1/25/2007
Japan	JP2007052951	Illumination device, and image display equipment	Motosuke Om	8/16/2005	3/1/2007
Korea	KR100666961B1	Back light apparatus	Kim Tae Soo	8/18/2005	1/10/2007
Korea	KR200401354	Cooling Structure for Liquid Crystal Display	Jang Hyuk	9/7/2005	11/15/2005
United States	2006/0077636 (Patent Application)	Display device usable outdoors	Sung-gi Kim	9/15/2005	4/13/2006
Korea	KR100673470B1	Display device	Kim Chang Joon	9/27/2005	1/24/2007
United States	7,259,964	Display device	Shinji Yamamura	9/28/2005	8/21/2007
United States	2007/0070615	Dispensing apparatus with LED illuminated display panels	Daniel F. Joslin	9/29/2005	3/29/2007
United States	2006/0082271	Light emitting device package and back light unit for liquid crystal display using the same	Seung Min Lee	10/14/2005	4/20/2006
United States	2006/0092348	Backlight unit and liquid crystal display with the same	Hee Jeong Park	10/27/2005	5/4/2006
Korea	KR20070048296A	Cooling apparatus for use in flat display device	Kim Hong Ki	11/4/2005	5/9/2007
United States	2006/0199514	Cooling fan and image display apparatus	Akira Kimura	11/11/2005	9/6/2006
France	FR2893752A1	Interface system for e.g. public interactive terminal	Pascal Malgouyard	11/18/2005	2/1/2008

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
Korea	KR100659339B1	A cooling system of display device	Jung Joo Choo	11/22/2005	12/19/2006
United States	2006/0133090	Backlight system and liquid crystal display employing the same	Ji-whan Noh	12/8/2005	6/22/2006
United States	US20060133090A1	Backlight system and liquid crystal display employing the same	Ji-whan Noh	12/8/2005	6/22/2006
United States	2006/0132699	Cooling apparatus and liquid crystal display device having the same	Joo-woan Cho	12/20/2005	6/22/2006
United States	7,312,993	Electronics equipment cabinet	Nicholas Adam Bundza	12/22/2005	12/25/2007
Korea	KR20070070675A	Lcd cooling module and a.t.m. using thereof	Lee Chul-yong	12/29/2005	7/4/2007
United States	2007/0151164	Continuous hinge for swing door	Jae Ho Shin	1/4/2006	7/5/2007
Japan	JP2007207595A	Illumination device and image display apparatus	Omi Motosuke	2/2/2006	8/16/2007
United States	2006/0177587A1	Optical compensatory sheet producing method and apparatus, thermal treating method and apparatus, and dust removing method and apparatus	Seiji Ishizuka	3/17/2006	8/10/2006
PCT International Patent Publication	WO 2007/116116	Electronic information board	Pasi Karppanen	4/11/2006	10/18/2007

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
United States	7,753,567	Backlight unit for test device of LCD panel	Dong Woo Kang	5/30/2006	7/13/2010
United States	7,210,839	Backlight system and liquid crystal display employing the same	Il-yong Jung	5/31/2006	5/1/2007
United States	7,591,508	Headrest mounted entertainment system	Chung Lung Chang	6/26/2006	9/22/2009
Korea	KR20080005024A	Display device	Gwak Jeong Il	7/7/2006	1/10/2008
United States	2007/0013647 (Patent Application)	Surface light source using LED and backlight unit having the surface light source	Sang Yun Lee	7/13/2006	1/18/2007
United States	7,452,121	Backlight assembly and display device having the same	Joo-woan Cho	7/13/2006	11/18/2008
United States	2007/0274051	Heat-dissipating backlighting module for use in a flat panel display	Alex Horng	7/25/2006	11/29/2007
Korea	KR20080010091A	Heat radiating system using noiseless air pushing apparatus	Lee Kyung Min	7/26/2006	1/30/2008
United States	2007/0103863	Cooling apparatus for flat display device	Hong Ki Kim	8/4/2006	5/10/2007
United States	2007/0103866	Flat display device and cooling apparatus for the same	Sang Don Park	8/18/2006	5/10/2007
Korea	KR20080018486A	Liquid crystal display	Sung Hwan Hong	8/24/2006	2/28/2008
United States	2007/0081344	Display assemblies and methods of display	Bart Cappaert	10/6/2006	4/12/2007

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
United States	8,400,607	Display assemblies and methods of display	Bart Cappaert	10/6/2006	3/19/2013
United States	2007/0126335	Portable display device	Young Min You	10/10/2006	6/7/2007
United States	7,868,951	Panel type television and LCD television	Naoto Maruta	10/18/2006	1/11/2011
United States	2008/0083527	Combined backlighting and heat-dissipating module for flat panel display	Alex Horng	11/29/2006	4/10/2005
United States	2007/0171353A1	Liquid crystal display device	Hee-Jung Hong	12/13/2006	7/26/2007
United States	7,864,258	Liquid crystal panel assembly and liquid crystal display apparatus having the same	Jin-hyun Cho	1/11/2007	1/4/2011
European Patent Office	EP1951020A1	Casing to install electric or electronic instruments	Stefan Wellhofer	1/26/2007	7/30/2008
United States	2007/0253205	Fixture	Mark L. Welker	5/8/2007	11/1/2007
Korea	KR20080047241(A)	Apparatus and method for printing	Nakano Shinya	5/15/2007	5/28/2008
United States	2008/0310116	Heatsink having an internal plenum	Kurt F. O'Connor	6/15/2007	12/18/2008
United States	7,800,706	Cooling fan unit and display apparatus having the same	Sun-Jin Kim	7/16/2007	9/21/2010
United States	7,667,964	Panel type display device	Joon Kang	10/15/2007	2/23/2010
United States	2009/0104989	Separable backlighting system	David C. Williams	10/23/2007	4/23/2009
United States	8,758,144	Separable backlighting system	David C. Williams	10/23/2007	6/24/2014

Country	Patent / Appl.	Title	Name of First Named Inventor / Patentee	Filing Date / Priority Date	Published Date / Issue Date
United States	2009/0145581	Non-linear fin heat sink	Paul Hoffman	12/11/2007	6/11/2009
United States	2009/0154096A1	Apparatus and method for facilitating cooling of an electronics system	Madhusudan Iyengar	12/17/2007	6/18/2009
PCT International Patent Publication	WO2008085138A1	Outdoor display	Leopold Pungercar	1/7/2008	7/17/2008
United States	2008/0218446	Cooling fan mounting structure for flat display, and plasma television set	Takahito Yamanaka	3/1/2008	9/11/2008
Korea	KR20090116368a	Outdoor display enclosure	Chiyoung Choi	5/7/2008	4/15/2010

Table 2: Non-Patent Prior Art Publications

Date	Description
Mar-55	Guide Manual of Cooling Methods for Electronic Equipment
Mar-74	Scott, A.W., Cooling of Electronic Equipment
Nov-80	Steinberg, Dave S., Cooling Techniques for Electronic Equipment
Oct-91	Steinberg, Dave S., Cooling Techniques for Electronic Equipment, Second Edition
12/2/1991	Military Handbook, MIL-HDBK-217F, Reliability Prediction of Electronic Equipment.
1997	PEM Bulletin - Self-Clinching Standoffs
May-98	Rohsenow, W., et al., Handbook of Heat Transfer, Third Edition
Jun-98	Sergeant, J.E. and Krum, A., Thermal Management Handbook for Electronic Assemblies
Jan-02	Yeh, Lian-Tuu and Chu, Richard C., Thermal Management of Microelectronic Equipment
Apr-02	David E. Mentley, State of Flat-Panel Display Technology and Future Trends, 90 Proc. of the IEEE, no. 4, pp. 453-459
2004	Lumileds Design Guide - Application Brief AB12
2005	Schubert, E.F. and Kim, J.K., Solid-State Light Sources Getting Smart, Science 308, 1274 (2005)
2006	Luxeon Design Guide - Application Brief AB05
Jun-06	Lu, Ruibo, et al., Color shift reduction of a multi-domain IPS-LCD using RGB-LED backlight. Optics Express, Vol. 14, No. 13
Oct-06	Anandan, M., LED Backlight: Enhancement of picture quality on LCD screen. Proc. Of ASID '06, 8-12 Oct., New Delhi, pp. 130-134
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Feb-08	Dynamax Technologies Releases Latest Version of Its Industry-Leading Digital Signage Software, POVNG3, https://www.businesswire.com/news/home/20080227005084/en/Dynamax-Technologies-Releases-Latest-Version-Industry-Leading-Digital

Table 3: Prior Art Products or Systems

Brand Name	Model Name	Date of Prior Offer / Sale	Location of Prior Offer / Sale	Witness(es) Name & Address
MRI	26 Inch and 32 Inch American Panel Corporation Pump Top Displays	2006 or earlier	US	Ware Bedell, David Williams (MRI)
MRI	Convergent 47 Inch Car Wash Displays Versions 1 and 2	2006 or earlier	US	Ware Bedell, David Williams (MRI)
Suncutter	46 Inch LCD Series; 57 Inch LCD Series	2007 or earlier	US	Troy Dodson, 371 Center Green Drive Las Vegas, NV 89148
Texas Digital Systems	Hybri360 32 Inch Outdoor LCD	2008 or earlier	US	
SunBrite	All-Weather Outdoor LCD Television Models 4610HD, 5510HD, 3230HD, 3220HD, 2310HD	2009 or earlier	US	

Table 4: Persons Who May Be Relied Upon as The Prior Inventor

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