

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

TIANMA MICROELECTRONICS CO. LTD.,
Petitioner,

v.

JAPAN DISPLAY INC. and PANASONIC LIQUID CRYSTAL
DISPLAY CO., LTD.,
Patent Owner.

Case No. IPR2021-01028
U.S. Patent No. 9,793,299

**PETITION FOR *INTER PARTES* REVIEW
OF U.S. PATENT NO. 9,793,299**

TABLE OF CONTENTS

I.	Preliminary Statement	1
II.	Precise Relief Requested	1
	A. Claims for Which Review Is Requested	1
	B. Statutory Grounds.....	2
III.	THE '299 PATENT.....	3
IV.	Level of Ordinary Skill.....	6
V.	Claim Construction.....	6
VI.	The Board Should Not Exercise Discretion to Deny Institution.....	6
	A. The Board Should Not Deny Institution Under 35 U.S.C. § 314	6
	B. The Board Should Not Deny Institution Under 35 U.S.C. § 325	13
VII.	Claims 1-11, 15, and 16 Are Unpatentable Over the Prior Art.....	15
	A. Ground 1: Maekawa in combination with Takahata render obvious claims 1, 3-6, and 8-11	17
	1. Independent Claim 1	17
	2. Claim 3	49
	3. Claim 4.....	52
	4. Claim 5	53
	5. Independent Claim 6	54
	6. Claim 8	59
	7. Claim 9	60
	8. Claim 10.....	61
	9. Claim 11	62

B.	Ground 2: Maekawa and Takahata in combination with Nakanishi render obvious claims 2 and 7	62
1.	Claim 2	62
2.	Claim 7	65
C.	Ground 3: Maekawa and Takahata in combination with Nagano render obvious claims 15 and 16.....	65
1.	Claim 15	65
2.	Claim 16	72
VIII.	GROUNDS FOR STANDING.....	72
IX.	MANDATORY NOTICES	72
A.	Real Party-in-Interest Under 37 C.F.R. § 42.8(b)(1)	72
B.	Related Matters Under 37 C.F.R. § 42.8(b)(2)	72
C.	Lead and Back-Up Counsel Under 37 C.F.R. § 42.8(b)(3)	73
D.	Service Information Under 37 C.F.R. § 42.8(b)(4).....	73
X.	CERTIFICATION UNDER 37 C.F.R. § 42.24(d).....	73
XI.	CONCLUSION.....	74

LIST OF EXHIBITS

Exhibit	Description
Ex. 1001	U.S. Patent No. 9,793,299 to Koichi Fukuda.
Ex. 1002	Declaration of Mr. Richard Flasck.
Ex. 1003	Curriculum Vitae of Mr. Richard Flasck.
Ex. 1004	File History for U.S. Patent No. 9,793,299.
Ex. 1005	U.S. Patent Application Publication No. 2005/0158665 to Maekawa et al.
Ex. 1006	U.S. Patent Application Publication No. 2004/0239641 to Takahata et al.
Ex. 1007	U.S. Patent Application Publication No. 2005/0099402 to Nakanishi et al.
Ex. 1008	Japanese Patent Application No. JP 2004272059 A to Hiroyuki Nagano et al. with certified translation.
Ex. 1009	U.S. Patent No. 4,281,406 to Eiichiro Tanaka et al.
Ex. 1010	Active Matrix Liquid Crystal Displays, Fundamentals and Applications, Willem den Boer, Elsevier Inc., First Edition (2005).
Ex. 1011	U.S. Patent No. 6,933,991 to Joseph J. Sanelle et al.
Ex. 1012	U.S. Patent No. 6,181,394 to Joseph J. Sanelle et al.
Ex. 1013	U.S. Patent No. 7,405,779 to Joseph J. Sanelle et al.
Ex. 1014	U.S. Patent Application Publication No. 2004/0247918 to Kiyokazu Hashimoto.
Ex. 1015	U.S. Patent Application Publication No. 2007/0040816 to Naohito Toyomaki.
Ex. 1016	U.S. Patent No. 5,594,574 to Manuel Lara et al.
Ex. 1017	U.S. Patent No. 7,663,607 to Steve Hotelling et al.

Exhibit	Description
Ex. 1018	Korean Patent Application Publication No. 10-2004-0079535 to Ji Seon Yang with certified translation.
Ex. 1019	Complaints for Patent Infringement filed in <i>Japan Display Inc. f/k/a Hitachi Electronic Devices (USA), Inc. et al. v. Tianma Microelectronics Co., Ltd.</i> , 2:20-cv-00283, -00284, -00285 (EDTX).
Ex. 1020	Plaintiff's Infringement Contentions served in <i>Japan Display Inc. f/k/a Hitachi Electronic Devices (USA), Inc. et al. v. Tianma Microelectronics Co., Ltd.</i> , 2:20-cv-00283 (EDTX).
Ex. 1021	P.R. 4-3 Joint Claim Construction and Prehearing Statement filed in <i>Japan Display Inc. f/k/a Hitachi Electronic Devices (USA), Inc. et al. v. Tianma Microelectronics Co., Ltd.</i> , 2:20-cv-00283 (EDTX).
Ex. 1022	Order Consolidating Proceedings in <i>Japan Display Inc. f/k/a Hitachi Electronic Devices (USA), Inc. et al. v. Tianma Microelectronics Co., Ltd.</i> , 2:20-cv-00283 (EDTX).
Ex. 1023	Docket Control Order in <i>Japan Display Inc. f/k/a Hitachi Electronic Devices (USA), Inc. et al. v. Tianma Microelectronics Co., Ltd.</i> , 2:20-cv-00283 (EDTX).

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.