

[Help](#)
[Search](#)
[History](#)
[Titles](#)
[Start Over](#)

Public Catalog

Copyright Catalog (1978 to present)

Search Request: Left Anchored Title = liquid crystal flat panel displays

Search Results: Displaying 1 of 1 entries



Labeled View

Liquid crystal flat panel displays : manufacturing science & technology /...

Type of Work: Text

Registration Number / Date: TX0003519462 / 1993-04-02

Title: Liquid crystal flat panel displays : manufacturing science & technology / William C. O'Mara.

Imprint: New York : VanNostrand Reinhold, c1993.

Description: 223 p.

Copyright Claimant: VanNostrand Reinhold, a division of Thomson Publishing Corporation

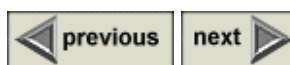
Date of Creation: 1993

Date of Publication: 1993-03-26

Names: [O'Mara, William C.](#)

[VanNostrand Reinhold](#)

[Thomson Publishing Corporation. VanNostrand Reinhold](#)



Save, Print and Email ([Help Page](#))

Select Download Format

Enter your email address:

[Help](#) [Search](#) [History](#) [Titles](#) [Start Over](#)

[Contact Us](#) | [Request Copies](#) | [Get a Search Estimate](#) | [Frequently Asked Questions \(FAQs\) about Copyright](#) | [Copyright Office Home Page](#) | [Library of Congress Home Page](#)

7872
6 046
993

DOCKET
A L A R M

Find authenticated court documents without watermarks at docketalarm.com.

LIQUID CRYSTAL FLAT PANEL DISPLAYS



Manufacturing Science & Technology

ITP

O'MARA

LIQUID CRYSTAL FLAT PANEL DISPLAYS

Manufacturing Science & Technology

DOCKET
ALARM

Find authenticated court documents without watermarks at docketalarm.com.



TK 7872
L56 046
1993

Copyright © 1993 by Van Nostrand Reinhold

Library of Congress Catalog Card Number 92-43119
ISBN 0-442-01428-7

All rights reserved. No part of this work covered by the copyright hereon may be reproduced or used in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems—without the written permission of the publisher.

ITP Van Nostrand Reinhold is a division of International Thomson Publishing. ITP logo is a trademark under license.

Printed in the United States of America

Van Nostrand Reinhold
115 Fifth Avenue
New York, NY 10003

International Thomson Publishing
Berkshire House
168-173 High Holborn
London WC1V 7AA, England

Thomas Nelson Australia
102 Dodds Street
South Melbourne 3205
Victoria, Australia

Nelson Canada
1120 Birchmount Road
Scarborough, Ontario
M1K 5G4, Canada

16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Library of Congress Cataloging in Publication Data

O'Mara, William C.
Liquid crystal flat panel displays: manufacturing science & technology / William C. O'Mara.

Table of Contents

INTRODUCTION

CHAPTER ONE

LARGE AREA LIQUID CRYSTAL DISPLAYS 1

1.1 Computer Displays 3

 1.1.1 Desktop Computers 3

 1.1.2 Portable Computers 3

 1.1.3 Engineering Workstations 7

 1.1.4 Computer Display Summary 7

1.2 Television Displays 9

 1.2.1 Portable TVs 9

 1.2.2 Projection Displays 10

 1.2.3 High Definition TV 11

 1.2.4 Video Camera Viewfinders 11

1.3 Automotive Applications 11

1.4 Other Applications 12

1.5 Liquid Crystal Display Technology 13

 1.5.1 Types of Liquid Crystal Display 16

 1.5.2 Passive vs Active Addressing 21

 1.5.3 Workstation B/W Display 23

 1.5.4 Polymer Dispersed Displays 24

 1.5.5 Automotive Display 26

1.6 Active Matrix Devices 27

 1.6.1 Two Terminal Devices 28

 1.6.2 Amorphous Silicon Transistors 31

 1.6.3 Polysilicon Transistors 35

 1.6.4 Comparison of Device Performance 39

 1.6.5 Ferroelectric Polymer 43

 1.6.6 Printed Transistors 45

1.7 Display Manufacturers 47

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.