

FUBSWRJUD SKBDQGGD WDVHFX ULWB  
QFMDHCUFO DVMOBRRRO HOGSQI FWHM  
TIPGKFXIR GYPREUU RKRJVTL IZKP  
QFMDHCUFO DVMOBR ROHOGSQ IFWHM  
VKRIMHZKT IARTG WITMTLX VNKBMR  
JYFWAVNYH WOFH UKKHAHZ LJBYP AF  
APWNRMEPY NFW YLB BYRY QCASPGRW  
GVCTXSKV ETLCE RHHEX EWIGYVMXC  
NCJAEZRCL ASJL YOOL ELDPNFCTEJ  
KZGXBWOZIX PGI VLLI BIAMKCZQBG  
BQXOSNFQZOG XZM CCZS ZRDBTQHSX

## CRYPTOGRAPHY AND DATA SECURITY

DSZQUPHSBQIZ BOE EBUBT FDVSJUJ  
GVCTXSKVETLC ERH HEXEWI GYVMXC  
VKRIMHZKT IAR TGW WTMTLXV NKBMR  
JYFWAVNYH WOF HUKK HAHZLJB YPAF  
TIPGKFXIRGYPR EUUR KRJVTLI ZKP  
QFMDHCUFODVM OBRRO HOGSQIF WHM  
DSZQUPHSBQI ZBOEEB UBTFDV SJUZ  
NCJAEZRCLA SJLYOOL ELDPN FCTEJ  
KZGXBWOZI XPGIVLLI BIAM KCZQBG  
PELCGBT ENCULNAQQN GNF RPHEVGL  
IXEVZU MXGVNEG TJJG ZG YKIA XOZE  
FUBSW RJUDSKBDQGG DW DVHFXULWB  
GVCT XSKVETLCERH HEX EWIGYVMXC  
PEL CGBTENCULNA QQNG NFRPHEVGL  
PEL CGBTENCULN AQQNG NFRPHEVGL  
KZG XBWOZIXPG IVLLIB IAMKCZQBG  
PEL CGBTENCULNAQQNG NFRPHEVGL  
IXE VZUMXGVN EGTJJGZ GYKIA XOZE

---

# Cryptography and Data Security

---

Dorothy Elizabeth Robling Denning  
PURDUE UNIVERSITY



ADDISON-WESLEY PUBLISHING COMPANY  
Reading, Massachusetts ■ Menlo Park, California  
London ■ Amsterdam ■ Don Mills, Ontario ■ Sydney

**Library of Congress Cataloging in Publication Data**

Denning, Dorothy E., (Dorothy Elizabeth), 1945–  
Cryptography and data security.

Includes bibliographical references and index.

1. Computers—Access control. 2. Cryptography.

3. Data protection. I. Title.

QA76.9.A25D46 1982 001.64'028'9 81-15012

ISBN 0-201-10150-5 AACR2

Copyright © 1982 by Addison-Wesley Publishing Company, Inc.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher. Printed in the United States of America. Published simultaneously in Canada.

ISBN 0-201-10150-5  
ABCDEFGHIJ-MA-898765432

---

In memory of my Father,

Cornelius Lowell Robling

1910–1965

---



# 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.