EXHIBIT B

-04273-JVS-JEM Document 79-2 Filed 06/22/18 Page 2 of 36 Page ID

Frederick Emmons Terman Award in Electrical & Computer Engineering

THIRD EDITION



Circuit Design, Layout, and Simulation

R. JACOB BAKER

IEEE Series on Microelectronic Systems



Find authenticated court documents without watermarks at docketalarm.com.

se 2:17-cv-04273-JVS-JEM Document 79-2 Filed 06/22/18 Page 3 of 36 Page ID #:1113

This page intentionally left blank



Multipliers

Name	Symbol	Value
terra	Т	1012
giga	G	109
mega	M (MEG in SPICE)	10 ⁶
kilo	k	IO^3
milli	m	10^{-3}
micro	μ (or u)	10 ⁻⁶
nano	n	10-9
pico	р	10^{-12}
femto	f	10-15
atto	a (not used in SPICE)	10^{-18}

Physical Constants

Name	Symbol	Value/Units
Vacuum dielectric constant	ϵ_0	8.85 aF/µm
Silicon dielectric constant	ε _{si}	11.7ε ₀
SiO ₂ dielectric constant	ε _{ox}	$3.97\epsilon_0$
SiN ₃ dielectric constant	$\epsilon_{\rm Ni}$	$16\epsilon_{_0}$
Boltzmann's constant	k	$1.38 \times 10^{-23} \text{ J/K}$
Electronic charge	q	I.6 × 10 ⁻¹⁹ C
Temperature	Т	Kelvin
Thermal voltage	V_{T}	kT/q = 26 mV @ 300 K



se 2:17-cv-04273-JVS-JEM Document 79-2 Filed 06/22/18 Page 5 of 36 Page ID #:1115

CMOS



DOCKET

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.

