

US005311392A

Patent Number:

United States Patent [19]

Kinney et al.

Date of Patent: [45]

[11]

5,311,392 May 10, 1994

[54]	DUAL PROCESSOR ELECTRIC POWER TRIP UNIT			
[75]	Inventors:	Michael A. Kinney; Stephen F. Gillette, both of Raleigh, N.C.		
[73]		Siemens Energy & Automation, Inc., Alpharetta, Ga.		
[21]	Appl. No.:	753,286		
[22]	Filed:	Aug. 30, 1991		
[51]	Int. Cl.5	Н02Н 3/08		
[52]	U.S. Cl	361/93; 361/96; 361/87		

4,710,845	12/1987	Demeyer	361/96
4,811,154	3/1989	Trenkler et al	361/93
4,870,351	9/1989	Milkovic	324/142
4,996,646	2/1991	Farrington	364/483
		Hartman	

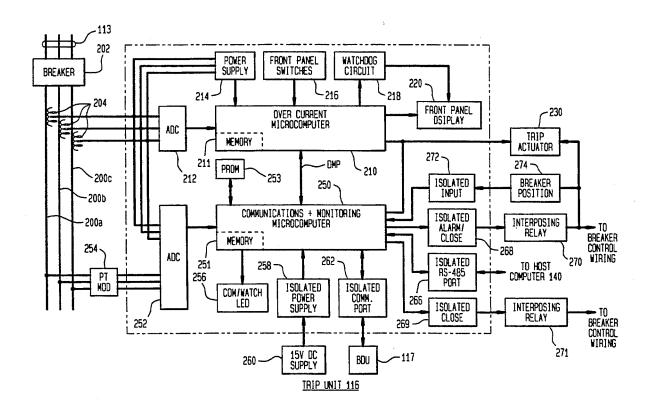
Primary Examiner-A. D. Pellinen Assistant Examiner-S. Jackson

ABSTRACT

A low voltage electric power monitoring and circuit breaker system includes two processors. The first processor activates the circuit breaker when an overcurrent condition is detected and the second processor monitors the current sensed by the first processor and activates the circuit breaker for overcurrent conditions which should have caused the first processor to activate the breaker. If a current of this magnitude is detected, the second processor activates the circuit breaker as a backup protection for the first circuit breaker.

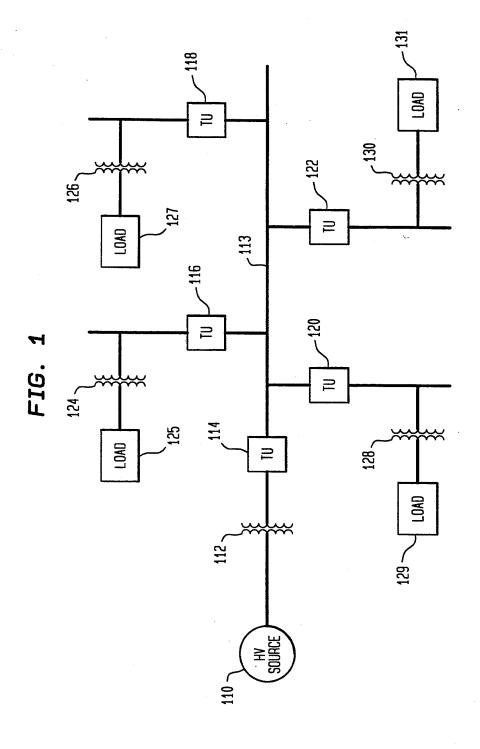
18 Claims, 14 Drawing Sheets

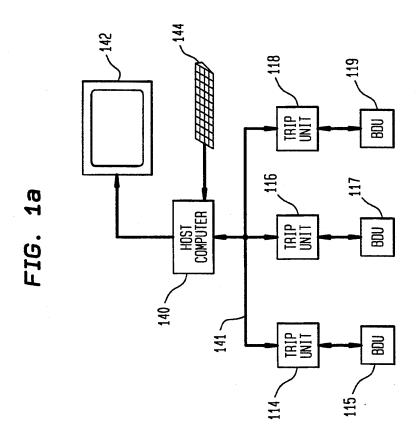
			Gill	ette, both of Raleigh, N.C.			
	[73]	Assignee:		nens Energy & Automation, Inc., haretta, Ga.			
	[21]	Appl. No.	753,	286			
	[22]	Filed:	Aug	. 30, 1991			
	[51] [52]	Int. Cl. ⁵ U.S. Cl	•••••••				
	[58]						
	[56] References Cited						
U.S. PATENT DOCUMENTS							
				Lombardi			





May 10, 1994





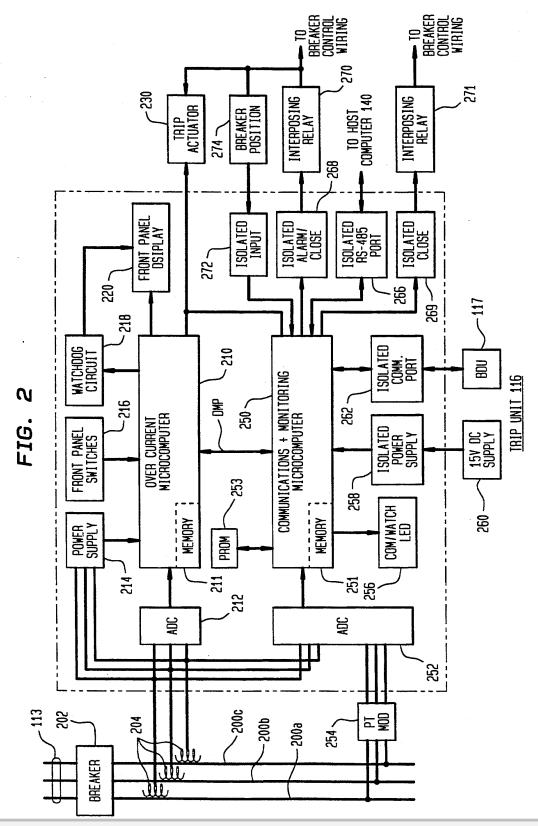
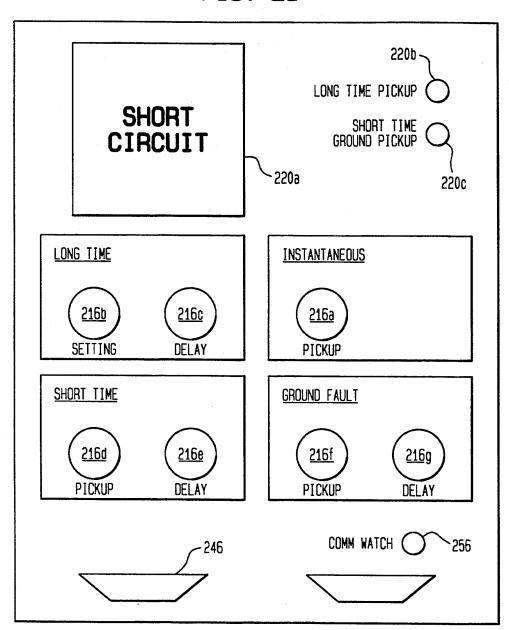




FIG. 2a



DOCKET A L A R M

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.

