

[54] APPARATUS FOR MONITORING CORE CHARGING OF WATERPROOF COMMUNICATION CABLE

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[58] Field of Search ..... 324/61 R, 61 P, 60 C, 324/52; 156/356, 378, 60, 64

[56] References Cited

U.S. PATENT DOCUMENTS

2,535,027	12/1950	Anderson .....	324/61 R X
2,721,975	10/1955	Wojciechowski .....	324/61 R
2,968,180	1/1961	Schafer .....	324/61 R X

3,096,478	7/1963	Brown .....	324/61 R X
3,221,171	11/1965	Locher .....	324/61 R
3,241,061	3/1966	Quittner .....	324/61 R
3,387,208	6/1968	Foley .....	324/60 C
3,471,780	10/1969	Beddows .....	324/61 R
3,973,187	8/1976	Cereijo et al. ....	324/61 R

FOREIGN PATENT DOCUMENTS

670,035	4/1952	United Kingdom .....	324/61 R
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[57] ABSTRACT

An apparatus is disclosed for monitoring the charging of a cable core with filling compound by continuously comparing the mutual capacitance of a twisted pair in the core with the predicted capacitance of a twisted pair known to be completely charged with filling compound.

5 Claims, 7 Drawing Figures

