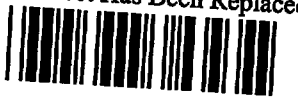
ABSTACT

**Method of and Apparatus for Detecting Cable Faults and Installations in which they are Used**

A method of detecting oversheath faults in a metal-sheathed power cable installation without taking the cables out of service comprising continuously or frequently making measurements representative of the current at at least one point in the earth circuit. These are compared with measurements elsewhere or predicted values to isolate the effect of a possible oversheath fault from the effect of system load and other complicating factors.

Preferably the measurements are of the temperature of (or current in) earth connecting leads and preferably they are measure passively, most especially by optical fibre sensors.

This Sheet Has Been Replaced