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(54) **Title:** APPARATUS AND METHOD FOR DETECTING AN ARC FAULT

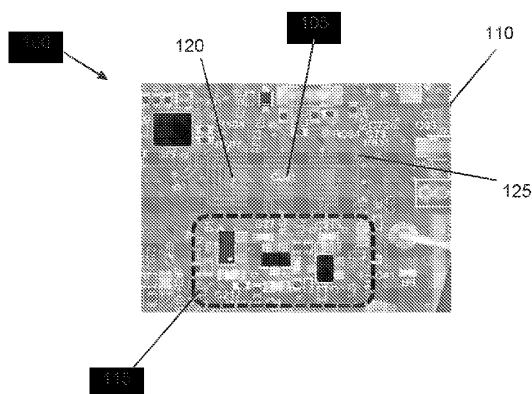


Figure 1a

(57) **Abstract:** An apparatus (100) for detecting an arc fault pro-
duced by a power line (130, 135, 230, 235) is disclosed. The appa-
ratus comprises an antenna (105, 205) for disposal in a near-field
of at least one power line. The apparatus also comprises a receiver
(215) coupled to the antenna; and processing circuitry (115, 260)
coupled to the receiver and configured to identify an arc fault based
on a signal received from the receiver. Also disclosed is a corre-
sponding method of detecting an arc fault produced by a power
line.

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