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(54) **CLAMP METER WITH ROTARY MECHANISM FOR CLAMP JAWS**

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See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

5,610,512 A * 3/1997 Selcuk 324/127
5,924,816 A 7/1999 Schuele
6,456,060 B1 9/2002 Wiesemann
2002/0050117 A1 5/2002 Dasher et al.

FOREIGN PATENT DOCUMENTS

iN 930/MUM/2007 3/2009
WO PCT/IN2008/000295 1/2009

* cited by examiner

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(57) ABSTRACT

The present invention provides a clamp meter with clamp jaws whose position is adjustable in different planes with respect to the plane of the main body of the clamp meter at various fixed angles,thereby helping the user to measure the current in the conductors which are disposed in tight physical space such as an electrical cabinet or electrical panel,or Placed in awkward positions such as overhead locations. the present invention allows the user to operate the instrument and also read the display in all positions of the clamp jaws.

14 Claims, 9 Drawing Sheets

