

Title (en)

ARRANGEMENT FOR NON-REVERSIBLE DETECTION AND DISPLAY OF ELECTRICAL OVERCURRENTS OR CURRENT LIMIT VALUES BY MEANS OF A PRE-FINISHED CONDUCTOR

Title (de)

ANORDNUNG ZUR NICHT-REVERSIBLEN DETEKTION UND ANZEIGE VON ELEKTRISCHEN ÜBERSTRÖMEN ODER STROMGRENZWERTEN MITTELS EINES VORKONFEKTIONIERTEN LEITERS

Title (fr)

DISPOSITIF DE DÉTECTION ET D'AFFICHAGE NON REVERSIBLES DE SURTENSIONS ÉLECTRIQUES OU DE VALEURS LIMITES DE COURANT AU MOYEN D'UNE ÉCHELLE PRÉALABLEMENT CONFECTIONÉE

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Abstract (en)

[origin: WO2019011605A1] The invention relates to an arrangement for non-reversible detection and display of electrical overcurrents or current limit values by means of a pre-finished conductor. The conductor according to the invention has at least two conductor sections, spaced apart from each other and extending parallel to each other, which are designed for current to flow through in the same direction. At least one of the parallel conductor sections has a protrusion, a nose, or similar blocking element, which limits the path of movement of a mechanical display or switching element, such that the electromagnetic force acting on the parallel conductor sections during the flow of current transitions the blocking element into a release position in respect of the path of movement of the mechanical display or switching element. Such an arrangement can be used particularly advantageously as a prior damage indicator in surge arresters.

IPC 8 full level

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