

Title (en)
SUSPENSION CLAMP FOR HANGING THE WIRES OF HIGH-VOLTAGE OPEN CABLES ON A SUPPORT STRUCTURE

Title (de)
AUFHANGUNGSKLAMMER ZUR AUFHANGUNG VON HOCHSPANNUNGSKABEL AN EINE TRAGERSTRUKTUR

Title (fr)
SERRE-CABLES DE SUSPENSION DES FILS DE CABLES DE HAUTE TENSION A UNE STRUCTURE DE SUPPORT

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Abstract (en)
[origin: WO9707579A1] The invention relates to a suspension clamp used for hanging the wires of high-voltage, at least 52 kV open cables, particularly to a suspension clamp for an optical ground wire, said suspension clamp comprising a hook-shaped suspension clamp body portion, including a base member whereby the suspension clamp is adapted to be secured to a support structure, and a hook portion intended for fitting therein a wire or a like to be supported. The suspension clamp further includes: a trough portion (5) mounted on a hook portion (4) and extending lengthwise of a wire (1) for supporting the wire (1), said hook portion being adapted to extend from two opposite sides of the suspension clamp, the extension having its size and the trough portion (5) having its rigidity dimensioned such that, as a result of the forces applied to the trough portion (5) by oscillations or vibrations of the wire (1), the trough portion may experience elastic resilience, a locking element (6) which is adapted at a controlled force to clamp the wire (1) against the bottom (7) of the trough portion (5) over a section of the length of the trough portion (5) and to lock the wire (1) in its longitudinal direction securely relative to the trough portion (5), and a clamping element (8) which is adapted to clamp the locking element (6) against the wire (1), said clamping element (8) being pivotably mounted relative to the suspension clamp such that the clamping element can be set in a position which allows the lowering of the wire (1) into the trough portion (5).

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