

Title (en)

DEVICE FOR STATIC ELECTRICITY ELIMINATION USED DURING RACKING, TRANSPORTATION AND LOADING/UNLOADING OF INFLAMMABLE OR EXPLOSIVE MATERIALS

Title (de)

VORRICHTUNG ZUR BESEITIGUNG STATISCHER ELEKTRIZITÄT WÄHREND ABSTELLEN , BE- UND ENTLADEN VON ENTZÜNDBAREN UND EXPLOSIVEN MATERIALIEN

Title (fr)

DISPOSITIF D'ELIMINATION D'ELECTRICITE STATIQUE UTILISE A DES FINS DE SOUTIRAGE, DE TRANSPORT ET DE CHARGEMENT/ DECHARGEMENT DE MATIERES INFLAMMABLES OU EXPLOSIVES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0048434A1] Device for the elimination of static electricity used for the racking, transportation and loading/unloading of oil and oil derivatives, inflammable gases and solid inflammable materials consisting of the two energy branches one of which is connected to the object (12), the energy of which needs balancing, and the other to the ground-coupled plate grounding (78). The first energy branch consists of the crocodile clamp (33), cable (44), diode (D1), condensers (C1) and (C2) and glittering diode (T1). The second energy branch consists of the ground-coupled plate grounding (78), cable (55), resistors (R3) and (R1), condensers (C3) and (C4) and diode (D2). The branch for the energy level exchange of the created electrostatic energy consists of condensers (C2), (C3) and resistor (R2). The operation of the device is based on energy balancing between the electrostatic cumulative points of two systems bearing different energy levels, in the concrete case, cistern with oil and part of the ground where the cistern is placed.

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