

Title (en)

SHIELDED MULTI-PAIR ARRANGEMENT AS SUPPLY LINE TO AN INDUCTIVE HEATING LOOP IN HEAVY OIL DEPOSITS

Title (de)

GESCHIRMTE MULTIPAARANORDNUNG ALS ZULEITUNG ZU EINER INDUKTIVEN HEIZSCHLEIFE IN SCHWERÖLLAGERSTÄTTEN

Title (fr)

DISPOSITIF BLINDÉ À PLUSIEURS PAIRES EN TANT QUE LIGNE D'ALIMENTATION D'UNE BOUCLE DE CHAUFFE PAR INDUCTION DANS DES GISEMENTS D'HUILES LOURDES

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Application

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Abstract (en)

[origin: CA2890683A1] The invention relates to an arrangement of a plurality of electrical conductor pairs (3) for symmetrical supplying of a consumer, in particular of a capacitively compensated conductor loop for inductively heating deposits of substances comprising hydrocarbons, such as oil sand, bitumen, heavy oil, natural gas, shale gas, and a shield pipe (4) enclosing the substances, wherein supply (1) and return (2) lines of the conductor pairs (3) are alternatingly concentrically and/or uniformly distributed within the shield pipe (4) enclosing the plurality of conductor pairs (3). The eddy currents occurring in the shield pipe (4) and the consequential losses are thus minimized.

IPC 8 full level

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