

Title (en)  
DEVICE AND METHOD FOR USING THE DEVICE FOR "IN SITU" EXTRACTION OF BITUMEN OR HEAVY OIL FROM OIL SAND DEPOSITS

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR VERWENDUNG DER VORRICHTUNG FÜR DIE IN-SITU-EXTRAKTION VON BITUMEN ODER SCHWERÖL AUS ÖLSANDABLAGERUNGEN

Title (fr)  
DISPOSITIF ET PROCÉDÉ D'UTILISATION DU DISPOSITIF POUR LE TRANSPORT « IN SITU » DE BITUME OU D'HUILE LOURDE PROVENANT DE GISEMENTS DE SABLE BITUMEUX

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Abstract (en)  
[origin: CA2812479A1] The present invention relates to a device and a method for using the device for "in situ" extraction of bitumen or heavy oil from oil sand deposits (1). The device has at least one electrical conductor loop (2) comprising a feed conductor (10), a return conductor (20) and an inductor (15) connected therebetween, wherein at least the inductor (15) is at least partially or completely disposed in the oil sand deposit (1). The device further has an alternating current generator (30) that is electrically connected to the at least one conductor loop (2) by means of at least two electrical contact points (40, 40'). The alternating current generator (30) has a transformer (50) comprising at least one primary (PR) and at least one secondary winding (SE). The at least one secondary winding (SE) comprises a center tap (70) to which a ground potential UE is electrically connected.

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