

Title (en)

HIGH FREQUENCY VIBRATOR WITH COOLED ELECTRONIC FREQUENCY CONVERTER

Title (de)

HOCHFREQUENZ-INNENRÜTTLER MIT GEKÜHLTEM ELEKTRONISCHEN FREQUENZUMFORMER

Title (fr)

VIBRATEUR A HAUTE FREQUENCE AVEC CONVERTISSEUR ELECTRONIQUE DE FREQUENCE REFROIDI

Publication

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Application

EP 02719689 A 20020111

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Abstract (en)

[origin: WO02057570A1] The invention relates to an electronic frequency converter (1) which is used with a high frequency immersion vibrator in order to compact concrete. Said frequency converter comprises a cooling circuit (4) containing a cooling medium; a first heat exchanger (3) which is integrated into said cooling circuit (4) and is used to transmit heat generated in the housing (2) of the frequency converter to the cooling medium; and a second heat exchanger (11) which is integrated into the cooling circuit (4) and is used to outwardly transmit heat absorbed by the cooling medium. The second heat exchanger (11) is received in a vibrator housing (6) of the high frequency immersion vibrator. If the vibrator housing (6) is immersed in concrete (12), the heat produced in the converter housing (2) can be conducted away to the concrete (12).

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