

Title (en)  
HIGH FREQUENCY OSCILLATOR, HIGH FREQUENCY WELDING SYSTEM AND METHOD FOR CONTROLLING THE FREQUENCY USING SAID TYPE OF HIGH FREQUENCY OSCILLATOR

Title (de)  
HOCHFREQUENZ-OSZILLATOR, HOCHFREQUENZ-SCHWEISSANLAGE UND VERFAHREN ZUR FREQUENZREGELUNG MIT EINEM DERARTIGEN HOCHFREQUENZ-OSZILLATOR

Title (fr)  
OSCILLATEUR HAUTE FRÉQUENCE, SYSTÈME DE SOUDAGE HAUTE FRÉQUENCE ET PROCÉDÉ DE RÉGULATION DE FRÉQUENCE AU MOYEN D'UN TEL OSCILLATEUR HAUTE FRÉQUENCE

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Abstract (en)  
[origin: WO2014187439A1] The invention relates to a high-frequency oscillator (1) comprising an electric resonant circuit (2), a high-frequency welding system and to a method for controlling the frequency using a high-frequency oscillator, in particular in a high-frequency welding system. Said electric resonant circuit (2) comprises at least one electronic component (3) having an inductance and at least one capacitor (4) having a capacitance. In order to control the frequency of the electric resonant circuit in a fast and wear-resistance manner, at least one additional magnetic coil (6) is associated with the electronic component (3) and can electronically influence the inductance of the electronic component (3).

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Citation (search report)  
See references of WO 2014187439A1

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• GB 2062427 A 19810520 - TETRA PAK INT  
• US 4309586 A 19820105 - ISHIBASHI KAZUHISA

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