

Title (en)

SIGNAL-PROCESSING SYSTEM, AND POWER SUPPLY DEVICE COMPRISING A SIGNAL-PROCESSING SYSTEM

Title (de)

SIGNALVERARBEITUNGSSYSTEM UND LEISTUNGSVERSORGUNGSEINRICHTUNG MIT EINEM SIGNALVERARBEITUNGSSYSTEM

Title (fr)

SYSTÈME DE TRAITEMENT DE SIGNAL ET DISPOSITIF D'ALIMENTATION ÉLECTRIQUE COMPRENANT UN SYSTÈME DE TRAITEMENT DE SIGNAL

Publication

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Application

EP 22734524 A 20220603

Priority

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Abstract (en)

[origin: WO2022263209A1] The invention relates to a signal-processing system for determining and providing a data stream describing a plasma process, said signal-processing system comprising: a) a detection device (10) which is designed to detect a signal curve (100, 101) which repeats in a predefined time interval ($n=T1....T8$) and which changes depending on the plasma process state; b) a determination device (12, 14) which is designed to generate the data stream based on at least two signal curves (100, 101) which are each detected in a time interval, the data stream having a continuously determined stability indicator for the plasma process. The invention also relates to: a power supply device (1) for generating a pulsed electric high-frequency power signal for a plasma, said power supply device comprising a power generator (2), an impedance adjusting assembly (6) which is connected to the power generator, and such a signal-processing system; and a process control assembly for a plasma process designed to use the stability indicator from such a signal-processing system.

IPC 8 full level

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