

Title (en)

PULSE MODIFICATION APPARATUS COMPRISING AT LEAST ONE PULSE STRETCHING AND/OR COMPRESSION DEVICE

Title (de)

PULSMODIFIKATIONSVORRICHTUNG MIT MINDESTENS EINER PULSSTRECKUNGS- UND/ODER PULSKOMPRESSIONSEINRICHTUNG

Title (fr)

APPAREIL DE MODIFICATION D'IMPULSIONS COMPRENANT AU MOINS UN DISPOSITIF D'ÉTALEMENT ET/OU DE COMPRESSION D'IMPULSIONS

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Application

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Abstract (en)

[origin: WO2023285030A1] The invention relates to a pulse modification apparatus (1) comprising one or more pulse stretching devices for the dispersive stretching of laser pulses (3) and/or one or more pulse compression devices (2) for the dispersive compression of laser pulses (3), a tuning device (4) for tuning the dispersion of the one or at least one of the more than one pulse stretching devices and/or the dispersion of the one or at least one of the more than one pulse compression devices (2) via at least one tuning variable (S), and a control device (5) for controlling the tuning device (4) according to a measured signal (M). The pulse modification apparatus (1) according to the invention comprises an environment sensor device (6) for sensing at least one environmental parameter (U) as a measured signal (M) on which the dispersion of the one or at least one of more than one pulse stretching devices and/or the dispersion of the one or at least one of more than one pulse compression devices (2) depends.

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