

Title (en)
DEVICE FOR INFLUENCING A LASER BEAM

Title (de)
VORRICHTUNG ZUR STRAHLBEEINFLUSSUNG EINES LASERSTRAHLS

Title (fr)
DISPOSITIF POUR INFLUER SUR LE FAISCEAU D'UN FAISCEAU LASER

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Application
EP 21836375 A 20211207

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Abstract (en)
[origin: WO2022135909A1] The present invention relates to a device (1) for influencing a laser beam (20) of an ultrashort pulse laser (2), comprising a pulse-accurate deflector unit (3) configured to deflect the laser beam (20) in at least one direction perpendicular to the beam propagation direction, wherein the device includes a transformation optical assembly (4) having at least two components (40, 42), which is disposed downstream of the pulse-accurate deflector unit (3) and is configured to transform, and/or transform back, a position deflection and/or angle deflection of the laser beam (20) by the pulse-accurate deflector unit into an angle deflection and/or a position deflection by way of a position-to-angle transformation and/or an angle-to-position transformation, and a processing optical unit (9), which is disposed downstream of the transformation optical assembly and is configured to guide the laser beam (20) into the image-side focal plane (90) of the processing optical unit (9).

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Citation (search report)
See references of WO 2022135909A1

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