

Title (en)

METHOD AND DEVICE FOR GENERATING A FOCUSED STRONG-CURRENT CHARGED-PARTICLE BEAM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG EINES FOKUSSierten STARKSTROMSTRAHLS MIT GELADENEN TEILCHEN

Title (fr)

PROCEDE ET DISPOSITIF DE GENERATION D'UN FAISCEAU DE PARTICULES CHARGEES FOCALISE DE FORT COURANT

Publication

EP 2909841 B1 20170726 (FR)

Application

EP 13795817 A 20131022

Priority

- FR 1260040 A 20121022
- FR 2013052517 W 20131022

Abstract (en)

[origin: WO2014064380A1] The invention relates to a method for generating a focused charged-particle beam, comprising at least the steps of: a) generating a charged-particle beam (10); b) emitting a laser pulse (40); c) generating a focusing magnetic field structure in a target (50) by means of an interaction between the laser pulse and the target; and d) making the charged-particle beam penetrate the focusing magnetic field structure at least partially.

IPC 8 full level

G21K 1/093 (2006.01)

CPC (source: EP US)

G21K 1/093 (2013.01 - EP US); **H01J 3/22** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

FR 2997220 A1 20140425; FR 2997220 B1 20180323; CA 2888713 A1 20140501; CA 2888713 C 20201103; CN 105051828 A 20151111; CN 105051828 B 20180119; EP 2909841 A1 20150826; EP 2909841 B1 20170726; HU E034740 T2 20180228; KR 102111184 B1 20200609; KR 20150097469 A 20150826; US 2015303019 A1 20151022; US 9514908 B2 20161206; WO 2014064380 A1 20140501

DOCDB simple family (application)

FR 1260040 A 20121022; CA 2888713 A 20131022; CN 201380067661 A 20131022; EP 13795817 A 20131022; FR 2013052517 W 20131022; HU E13795817 A 20131022; KR 20157011954 A 20131022; US 201314437739 A 20131022