

Title (en)
PLASMA ACCELERATOR SYSTEM

Title (de)
PLASMABESCHLEUNIGER-ANORDNUNG

Title (fr)
ENSEMBLE ACCELERATEUR DE PLASMA

Publication
EP 1442640 B1 20111228 (DE)

Application
EP 02785332 A 20021030

Priority
• DE 10153723 A 20011031
• EP 0212095 W 20021030

Abstract (en)
[origin: WO03039215A1] The invention relates to a multistage plasma accelerator system that comprises at least one intermediate electrode between the plasma chamber between electrodes that include each other. An especially good efficiency can be achieved by way of an uneven distribution of potential to the potential stages formed by the plurality of electrodes having a high potential gradient of the last stage, when the plasma beam emerges, and by a special shape of the magnetic field prevailing in the plasma chamber of the last stage.

IPC 8 full level
H05H 1/54 (2006.01); **F03H 1/00** (2006.01); **H05H 1/02** (2006.01)

CPC (source: EP US)
H05H 1/54 (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 03039215 A1 20030508; DE 10153723 A1 20030515; EP 1442640 A1 20040804; EP 1442640 B1 20111228; JP 2005507555 A 20050317; JP 4593919 B2 20101208; RU 2004116314 A 20050520; RU 2275761 C2 20060427; US 2005174063 A1 20050811; US 7075095 B2 20060711

DOCDB simple family (application)
EP 0212095 W 20021030; DE 10153723 A 20011031; EP 02785332 A 20021030; JP 2003541325 A 20021030; RU 2004116314 A 20021030; US 49414704 A 20041126