

Title (en)  
AN ION ACCELERATOR

Title (de)  
EIN IONENBESCHLEUNIGER

Title (fr)  
ACCELERATEUR D'IONS

Publication  
**EP 1161855 A1 20011212 (EN)**

Application  
**EP 00902608 A 20000118**

Priority  

- EP 00902608 A 20000118
- EP 0000360 W 20000118
- EP 99300300 A 19990118

Abstract (en)  
[origin: EP1021073A1] In a Hall effect plasma accelerator (1) the propellant gas is introduced into an annular accelerating channel (2) in the region of an anode (9), asymmetrically around the channel. Ionisation of propellant gas and acceleration of the resultant ions out of the channel causes a deflection or displacement in the resultant thrust direction (F) thereby creating a steering or turning effect. <IMAGE>

IPC 1-7  
**H05H 1/54**; F03H 1/00

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

CPC (source: EP)  
**F03H 1/0012** (2013.01); **F03H 1/0075** (2013.01); **H05H 1/54** (2013.01)

Cited by  
RU2766036C1; US11598321B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1021073 A1 20000719**; AT E345662 T1 20061215; AU 2438100 A 20000801; DE 60031839 D1 20061228; DE 60031839 T2 20070531; EP 1161855 A1 20011212; EP 1161855 B1 20061115; IL 144343 A0 20020523; WO 0042827 A1 20000720

DOCDB simple family (application)  
**EP 99300300 A 19990118**; AT 00902608 T 20000118; AU 2438100 A 20000118; DE 60031839 T 20000118; EP 0000360 W 20000118; EP 00902608 A 20000118; IL 14434300 A 20000118