

Title (en)

GAS TARGETING SYSTEM FOR PRODUCING RADIOISOTOPES

Title (de)

AUF GAS ABZIELENDES SYSTEM ZUR HERSTELLUNG VON RADIOISOTOPEN

Title (fr)

SYSTÈME DE CIBLERIE À GAZ POUR PRODUCTION DE RADIO-ISOTOPES

Publication

EP 3560302 A1 20191030 (FR)

Application

EP 17828971 A 20171219

Priority

- FR 1663237 A 20161222
- FR 2017053679 W 20171219

Abstract (en)

[origin: WO2018115705A1] The present invention concerns a gas targeting system (100) comprising a body (110), which has a frustoconical cavity; a cooling circuit comprising at least one channel which surrounds at least one portion of the cavity; a window, positioned facing an inlet of the cavity in order to close the cavity, comprising a fine sheet that is permeable to at least a portion of a beam of particles emitted by a particle accelerator and a support grid configured to support pressure differences between and inside of the cavity and an outside of the targeting system (100), with the fine sheet positioned between the support grid and the cavity (120); and a support flange (160) which holds the window and is hermetically secured on the body, and which comprises a mechanical attachment interface at the outlet of a particle accelerator (170).

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (application)

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