

Title (en)

Device for reducing the heating of a vacuum chamber

Title (de)

Vorrichtung zur Verringerung der Erwärmung einer Vakuumkammer

Title (fr)

Dispositif de réduction de l'échauffement d'une chambre sous vide

Publication

EP 2367404 B1 20151125 (DE)

Application

EP 11001598 A 20110226

Priority

DE 102010012073 A 20100319

Abstract (en)

[origin: EP2367404A2] The device has a set of superconducting strips (3, 3') arranged between a charged particle beam (1) and a superconducting magnet (2), where the superconducting strips are arranged parallel to each other in a row. Thickness of the superconducting strips is about 100 nanometer to 1 micrometer. An insulating support is arranged between the charged particle beam and the superconducting magnet, where thickness of the insulating support is about 10 micrometer to 1000 micrometer. A magnetic field is emanated from the superconducting magnet. An independent claim is also included for a vacuum chamber comprising a device for reducing heating of the vacuum chamber.

IPC 8 full level

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CPC (source: EP)

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