

DEVICE FOR GENERATING MAGNETIC FIELD AND METHOD FOR
CONTROLLING SAME

【ABSTRACT】

5 Disclosed is a radiation and magnetic field generating apparatus irradiating
photon beam radiation to in-body affected tissue of a subject including a radiation
generating unit that irradiates the photon beam radiation to the subject and induces
generation of secondary electrons in an area of the subject where the photon beam
radiation is irradiated, a magnetic field generating unit, which is provided to be
10 inserted into a body, which includes an insertion structure for forming a low-density
space, and which forms a magnetic field in an area in which the secondary electrons
are generated, and a synchronization control unit that controls formation of the
magnetic field such that at least part of the secondary electrons moves to the low-
density space based on a relationship between an area where the photon beam
15 radiation is irradiated and a location of an affected part, and
 controls the formation of the magnetic field such that the secondary electrons
move while avoiding normal tissue adjacent to the affected tissue.

FIG. 1