

ELECTROMAGNETICALLY³⁷ SHIELDED BUILDING
ABSTRACT OF THE DISCLOSURE

The present invention provides an electromagnetically shielded building having an electromagnetically shielded space comprising an outer peripheral electromagnetic shielding layer provided on outer wall surface and a horizontal electromagnetic shielding layer provided on upper and lower floor surfaces for the purpose of preventing radio interference or erroneous operation of electronic systems and devices caused by radio noises from outside and of creating satisfactory radio environment suitable for internal communication system, whereby said outer peripheral electromagnetic shielding layer is made of building materials using glass and metal plates having electromagnetic shielding characteristics, and said horizontal electromagnetic shielding layer is made of floor structural materials having electric wave attenuating characteristics. Said outer peripheral electromagnetic shielding layer comprises an electromagnetic shielding material arranged to align with polarization direction of electric wave used in an internal communication system, and said horizontal electromagnetic shielding layer comprises a floor structural material having electric wave attenuating characteristics. As a result, it is possible to perform mobile communication using electric wave in a simplified electromagnetic shielding structure depending upon characteristics required in high utilization of frequency to prevent radio interference and erroneous operation of electronic systems and devices, and to exclude radio

interference in upper and lower floors.

FIGURE 2