

Title (en)

Outer wall of a building standing close to a radar.

Title (de)

Aussenwand eines in der Nähe eines Radars stehenden Bauwerks.

Title (fr)

Mur extérieur d'un bâtiment situé à proximité d'un radar.

Publication

EP 0394732 B1 19931103 (DE)

Application

EP 90106729 A 19900407

Priority

DE 3913421 A 19890424

Abstract (en)

[origin: US5057842A] In order to decrease the interfering reflection of radar radiation from building walls during radar surveillance on the ground, the outer walls are formed on their surfaces so that the reflected radar waves are subjected in part to a phase shift of one half wavelength with respect to each other. This results in a partial obliteration of the reflected waves. The reflecting surface of the outer wall comprises for that purpose of individual elements whose superficial extent is smaller than the surface irradiated by a radar impulse, and which are staggered in depth in such manner that adjoining surface elements are located at a distance from each other which is equal, for perpendicular incidence of the radar radiation, to one quarter wavelength of the radar radiation used.

IPC 1-7

H01Q 15/00; **H01Q 15/14**

IPC 8 full level

H01Q 15/00 (2006.01); **H01Q 15/14** (2006.01)

CPC (source: EP US)

H01Q 15/0006 (2013.01 - EP US); **H01Q 15/14** (2013.01 - EP US)

Cited by

DE102006020470A1; GB2264809A; CN110718762A; GB2247357B; EP0446408B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0394732 A1 19901031; **EP 0394732 B1 19931103**; AT E96946 T1 19931115; DE 3913421 A1 19901025; DE 59003283 D1 19931209; US 5057842 A 19911015

DOCDB simple family (application)

EP 90106729 A 19900407; AT 90106729 T 19900407; DE 3913421 A 19890424; DE 59003283 T 19900407; US 51278190 A 19900420