Title (en)

Method for protecting an object against traffic induced vibration

Title (de)

Verfahren zur Beschützung eines Gegenstandes gegen verkehrsbedingte Vibrationen

Title (fr)

Procédé pour la protection d'un objet contre la vibration provoquée par le trafic

Publication

EP 1621681 A3 20080123 (EN)

Application

EP 05396024 A 20050907

Priority

FI 20041522 A 20041126

Abstract (en)

[origin: EP1621681A2] A method and system for protecting an object to be protected against vibration induced by traffic and transmitted from a roadway (2) via the ground. The object to be protected (1), such as a building, is protected against the vibration induced by traffic and transmitted from a roadway (2) via the ground using an insulator wall (3), which has been driven into the ground at a distance from the roadway substantially in parallel with the roadway between the roadway and the object to be protected to damp vibration. The insulator wall (3) has been installed with respect to the vertical direction at an inclined angle (±) so that the insulator wall is slanting downward at the aforesaid angle (±) and away from the roadway (1) to direct the vibration obliquely downward, the insulator wall (3) both damping and directing the vibration into the direction determined by the insulator wall.

IPC 8 full level

E02D 31/08 (2006.01)

IPC 8 main group level

E02D (2006.01)

CPC (source: EP SE US)

E02D 31/08 (2013.01 - EP SE US)

Citation (search report)

- [PX] KR 20040098846 A 20041126 - HANYANG HAK WON CO LTD
- [DA] US 5173012 A 19921222 - ORTWEIN HERMANN [DE], et al
- [DA] EP 0913527 A1 19990506 - DRAEBING KG WEGU [DE], et al
- [A] JP H09268587 A 19971014 - RAILWAY TECHNICAL RES INST, et al

Cited by

CN104912121A; CN109778919A; WO2008084510A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1621681 A2 20060201; **EP 1621681 A3 20080123**; FI 117603 B 20061215; FI 20041522 A0 20041126; FI 20041522 A 20060527; SE 0500506 L 20051213; SE 527045 C2 20051213; US 2006115334 A1 20060601

DOCDB simple family (application)

EP 05396024 A 20050907; FI 20041522 A 20041126; SE 0500506 A 20050304; US 28536705 A 20051123