

(51) International Patent Classification:
E01F 8/00 (2006.01) *E04H 17/16* (2006.01)(21) International Application Number:
PCT/FI2011/050673(22) International Filing Date:
26 July 2011 (26.07.2011)

(25) Filing Language: Finnish

(26) Publication Language: English

(30) Priority Data:
20105826 26 July 2010 (26.07.2010) FI

(72) Inventors; and

(71) Applicants : AIRAKSINEN, Jarmo [FI/FI]; Ma-
surkkakuja 4, FI-01390 Vantaa (FI). TIKKAMÄKI,
Janne [FI/FI]; Vinkvistintie 19, FI-04600 Mäntsälä (FI).(74) Agent: SALOMAKI OY; Kankurinkatu 4-6, FI-05800
Hyvinkää (FI).(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

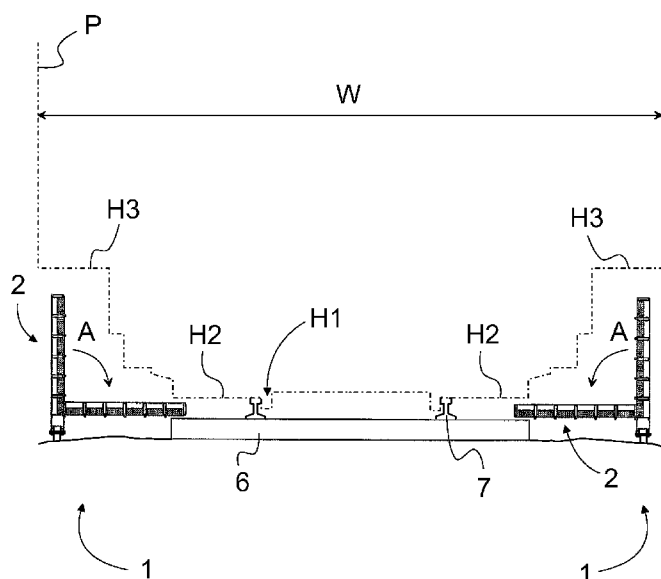
(88) Date of publication of the international search report:
22 March 2012(54) Title: WALL STRUCTURE WORKING AS A NOISE BARRIER FOR RAILWAYS AND USE OF THE WALL STRUC-
TURE AS A NOISE OR PASSAGE BARRIER

Fig. 1

(57) Abstract: The object of the invention is a wall
structure (1) working as a noise barrier for railways,
which comprises at least a plurality of wall elements
(2) placed consecutively end-to-end with each other,
which wall elements are hinged by means of hinge
pieces (3d) at their bottom edges for toppling down-
wards from their vertical position. The wall elements
(2) are disposed inside the width reach (W) of the
wagons or cargo space of a train and for toppling by
means of the hinge pieces (3d) to below a wagon or a
load that is lower than normal and/or is overwide. The
wall structure (1) is suited for use e.g. as a noise barri-
er or passage barrier for a railway.