



(51) International Patent Classification:
E04B 1/86 (2006.01) *E04B 9/00* (2006.01)

(21) International Application Number:
PCT/EP2011/068551

(22) International Filing Date:
24 October 2011 (24.10.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10188674.5 25 October 2010 (25.10.2010) EP

(71) Applicant (for all designated States except US): **SOFT CELLS A/S** [DK/DK]; Lundbergsvej 10, DK-8400 Ebeltoft (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NIELSEN, Jesper** [DK/DK]; Svanemøllevej 1A, DK-2100 Copenhagen Ø (DK). **HOLM, Henrik** [DK/DK]; Fredericiagade 47, st., DK-1310 Copenhagen K. (DK).

(74) Agent: **TONNESEN, Bo**; Budde Schou A/S, Vester Søgade 10, 1601 Copenhagen V (DK).

(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, QA, RO, RS, RU, RW, 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, RW, 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))

(54) Title: A PANEL

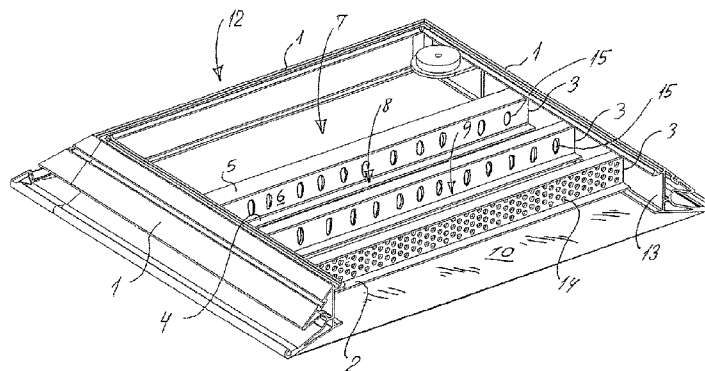


Fig. 1

(57) Abstract: The present invention relates to panels that can be used to cover interior surfaces in buildings, for instance in auditoriums, open-plan offices etc., where the panels can be used in buildings with thermally activated building systems (TABS) in which balancing of acoustics and thermal comfort is a well-recognised challenge. According to a first embodiment of the invention there is provided a panel comprising one or more sound-absorbing elements (3) and sub-regions (7, 8, 9) that connect the front (11) of the panel with the rear (12) of the panel, and in which sub-regions (7, 8, 9) sound-absorbing elements (3) are not present, whereby said sub-regions (7, 8, 9) ensure thermal transmission through the panel. According to a second embodiment of the invention the panels comprise a substantially rigid frame (1) defining a region within the frame, where the region is provided with one or more sound-absorbing elements comprising a front face and a rear face, where the one or more sound-absorbing elements extend(s) over the entire region defined by the frame (1) and where said sub-regions (22) are provided through said sound-absorbing elements, such that the sub-regions (22) connect said front face and rear face of the one or more sound-absorbing elements.