

Title (en)
IN-CAR LOUDSPEAKER ARRAY POSITIONING

Title (de)
LAUTSPRECHERANORDNUNGSPPOSITIONIERUNG IM WAGEN

Title (fr)
POSITIONNEMENT DE RÉSEAU DE HAUT-PARLEURS EMBARQUÉ DANS UN VÉHICULE

Publication
EP 3051838 A1 20160803 (EN)

Application
EP 15165463 A 20150428

Priority
• EP 15153258 A 20150130
• EP 15165463 A 20150428

Abstract (en)
Spatial audio transducer system comprises a sun visor (18a, 18b) of a vehicle (10) and a spatial audio transducer array (20a, 20b). The array (20a, 20b) comprises at least three individual audio transducers, wherein the spatial audio transducer array (20a, 20b) is integrated into the sun visor (18a, 18b) or into a headlining of the vehicle (10) such that same overlaps at least partially with the sun visor (18a, 18b) at a closed position of the sun visor (18a, 18b).

IPC 8 full level
H04R 1/40 (2006.01)

CPC (source: EP)
H04R 1/403 (2013.01); **H04R 2499/13** (2013.01)

Citation (search report)
• [I] US 6959956 B1 20051101 - FERO MARK W [US], et al
• [I] US 2008192953 A1 20080814 - OPFER HOLGER [DE]
• [XI] US 5442813 A 19950815 - WALTERS ECKHARD [DE]
• [XI] JP 2003044092 A 20030214 - ALPINE ELECTRONICS INC
• [X] US 2013336518 A1 20131219 - YAMAUCHI KENJI [JP], et al
• [X] JP S5856940 A 19830404 - FUJITSU TEN LTD
• [I] EP 2822292 A1 20150107 - GN NETCOM AS [DK]
• [I] US 2007138825 A1 20070621 - LINHARD KLAUS [DE], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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