

Title (en)
EARPHONE

Title (de)
KOPFHÖRER

Title (fr)
L'ÉCOUTEUR

Publication
EP 3490268 A1 20190529 (EN)

Application
EP 19151523 A 20101222

Priority
• GB 0922610 A 20091223
• EP 10807341 A 20101222
• GB 2010052196 W 20101222

Abstract (en)
An in-ear earphone (1) comprises an earphone body (2) and a transmission cable (3) for transmission of electrical signals to a speaker of the earphone. The earphone is adapted to be worn, at least partly, in the external auditory meatus (M) of the ear of the wearer and between, or internally of, the tragus and anti-tragus in the ear. A loop (4) formed at least in part by a part of the transmission cable assists in retaining the earphone in the ear. The loop is of variable length/geometry, which may be set by the loop being held in a passage (7) through, or a recess (107) in, the earphone body. When the earphone body (1) is in place, the loop is located at least partly in the concha (C) of the wearer and engages a surface of the ear, for example a portion of the ear forming the antihelix.

IPC 8 full level
H04R 1/10 (2006.01)

CPC (source: EP)
H04R 1/1016 (2013.01)

Citation (search report)
• [A] US 2003174853 A1 20030918 - HOWES MICHAEL [US], et al
• [A] WO 2009083008 A1 20090709 - GN RESOUND AS [DK], et al
• [A] US 2009180653 A1 20090716 - SJURSEN WALTER P [US], et al
• [A] WO 2009018825 A1 20090212 - GN NETCOM AS [DK], et al
• [A] WO 2007014950 A2 20070208 - GN RESOUND AS [DK], et al
• [A] US 2009110227 A1 20090430 - PRINCE ALLEN LAMONT [US]
• [A] US 2009092269 A1 20090409 - NIELSEN HENRIK [DK], et al

Cited by
US2022182747A1; US11800273B2

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

DOCDB simple family (publication)
WO 2011077160 A1 20110630; DE 202010018637 U1 20190509; EP 2517475 A1 20121031; EP 3490268 A1 20190529;
EP 3490268 B1 20220504; GB 0922610 D0 20100210

DOCDB simple family (application)
GB 2010052196 W 20101222; DE 202010018637 U 20101222; EP 10807341 A 20101222; EP 19151523 A 20101222; GB 0922610 A 20091223