

Title (en)  
A HEADPHONE WITH TWO EAR CUSHIONS OF DIFFERENT HARDNESS

Title (de)  
KOPFHÖRER MIT ZWEI OHRKISSEN UNTERSCHIEDLICHER HÄRTE

Title (fr)  
ÉCOUTEUR AVEC DEUX COUSSINS D'OREILLE DE DURETÉS DIFFÉRENTES

Publication  
**EP 3188494 A1 20170705 (EN)**

Application  
**EP 15202888 A 20151229**

Priority  
EP 15202888 A 20151229

Abstract (en)  
A headphone (1) comprising a first circumaural earphone (2) and a holding member (4) for holding the headphone (1) on the head of the user and forcing the first earphone (2) against the head of the user. The first earphone (2) comprises an earphone housing (8) with a first housing side (12) facing the head (5) of the user when worn, a first ring-shaped ear cushion (9) with a first hardness and a first abutment face (16) for abutting the head of the user. The first ear cushion (9) confines together with the first housing side (12) and the head (5) of the user a first cavity (13). The first earphone (2) comprises on the first housing side (12) beside the first ear cushion (9) a second ear cushion (10) with a second hardness and a second abutment face (17) for abutting the head (5) of the user., and wherein the second ear cushion (10) is having a second hardness, which is larger than first hardness.

IPC 8 full level  
**H04R 1/10** (2006.01)

CPC (source: EP)  
**H04R 1/10** (2013.01); **H04R 1/1008** (2013.01); **H04R 1/1091** (2013.01)

Citation (applicant)  
• EP 2858380 A1 20150408 - HARMAN INT IND [US]  
• US 4922542 A 19900501 - SAPIEJEWSKI ROMAN [US]  
• US 2015092976 A1 20150402 - KIRSCH JAMES [US], et al  
• EP 2827608 A1 20150121 - GN NETCOM AS [DK]

Citation (search report)  
• [X] EP 2053874 A1 20090429 - SONY CORP [JP]  
• [X] JP H0888889 A 19960402 - NIPPON COLUMBIA  
• [X] GB 1504065 A 19780315 - MATSUSHITA ELECTRIC IND CO LTD [JP]  
• [A] DE 3638720 A1 19870611 - AKG AKUSTISCHE KINO GERAETE [AT]  
• [A] CN 103108267 A 20130515 - GOERTEK INC  
• [A] JP 2010010984 A 20100114 - AUDIO TECHNICA KK

Cited by  
US2017366890A1; WO2022073735A1; WO2021241326A1; WO2019045893A1; US10299024B2; US10469930B2; US10555065B2; US11343603B2; US11683628B2; US10499137B2; US11343604B2; US11683630B2; US11950044B2; US10327056B2; US10735843B2; US11451895B2; US11805349B2

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