

Title (en)
HELMET WITH NOISE-REDUCING SYSTEM

Title (de)
HELM MIT RAUSCHVERRINGERUNGSSYSTEM

Title (fr)
CASQUE AVEC SYSTÈME DE RÉDUCTION DE BRUIT

Publication
EP 3167735 A1 20170517 (EN)

Application
EP 16187991 A 20160909

Priority
TW 104218112 U 20151111

Abstract (en)
A helmet (1) with noise-reducing system includes a helmet body (11), a central control device (13), a fan unit (14), a microphone (15), an amplifier (16), and a Hall effect sensor (17). The helmet body (11) has an observation portion (112) located corresponding to a windscreen (12). The Hall effect sensor (17) can sense whether or not the windscreen (12) is close to a magnetic element (121) and the observation portion (112) is secured to generate a signal. Then the sensed signal is sent to the central control device to determine and adjust the rotation speed of the fan unit (14), the volume of the microphone (15), the broadcasting volume of the amplifier (16) to provide the noise-reducing effect.

IPC 8 full level
A42B 3/04 (2006.01); **A42B 3/22** (2006.01); **A42B 3/28** (2006.01); **A42B 3/30** (2006.01)

CPC (source: EP)
A42B 3/0433 (2013.01); **A42B 3/222** (2013.01); **A42B 3/286** (2013.01); **A42B 3/30** (2013.01)

Citation (search report)

- [A] WO 2014025082 A1 20140213 - CHANGUI INDUSTRY CO LTD [KR], et al
- [A] WO 2014160149 A2 20141002 - STRYKER CORP [US]
- [A] US 3586977 A 19710622 - LUSTIG HARVEY V, et al
- [A] US 2012047765 A1 20120301 - KOLESAR ROBERT [US]
- [A] DE 102013213938 A1 20150122 - BOSCH GMBH ROBERT [DE]

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

DOCDB simple family (publication)
EP 3167735 A1 20170517; JP 2017089085 A 20170525; TW M518004 U 20160301

DOCDB simple family (application)
EP 16187991 A 20160909; JP 2016208288 A 20161025; TW 104218112 U 20151111