

Title (en)
APPARATUSES AND SYSTEMS FOR AN ASSISTIVE CANE FOR THE VISUALLY IMPAIRED

Title (de)
VORRICHTUNGEN UND SYSTEME FÜR EINEN STÜTZSTOCK FÜR SEHBEHINDERTE

Title (fr)
APPAREILS ET SYSTÈMES DESTINÉS À UNE CANNE D'ASSISTANCE POUR LES MALVOYANTS

Publication
EP 4088709 A1 20221116 (EN)

Application
EP 21386028 A 20210514

Priority
EP 21386028 A 20210514

Abstract (en)
The invention provides an apparatus for a handle of a cane, preferably an assistive cane, the apparatus comprising: a housing defining an outer appearance of the apparatus; attachment means for attaching the housing to the handle of the cane; a first sensor located inside the housing configured to transmit a signal in a first direction, wherein the first direction is an upward direction when the apparatus is attached to the handle of the cane; and at least one first indication device located inside the housing and connected to the first sensor, wherein the first sensor is configured to identify obstacles located within the first direction and wherein the at least one first indication device is configured to indicate an obstacle upon identification by the first sensor.

IPC 8 full level
A61H 3/06 (2006.01); **A61H 3/02** (2006.01); **A61H 3/04** (2006.01)

CPC (source: EP)
A61H 3/02 (2013.01); **A61H 3/04** (2013.01); **A61H 3/061** (2013.01); **A61H 3/068** (2013.01); **A61H 2003/063** (2013.01); **A61H 2201/5048** (2013.01); **A61H 2201/5064** (2013.01)

Citation (search report)
• [X] US 7706212 B1 20100427 - CAMPBELL TERRY L [US]
• [X] US 2016300469 A1 20161013 - HOOD MARY E [US]
• [X] WO 2017089725 A1 20170601 - MADE IN NOV'IN [FR]
• [X] WO 2015148578 A2 20151001 - ALGHAZI AHMAD ALSAYED M [US]
• [X] KR 20210028315 A 20210312 - SAHMYOOK UNIV INDUSTRY ACADEMIC COOPERATION FOUNDATION [KR]
• [XI] DE 202016100156 U1 20160210 - LIN SHIH WANG [TW]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4088709 A1 20221116

DOCDB simple family (application)
EP 21386028 A 20210514