

Title (en)
CELESTIAL COMPASS AND METHODS OF USE AND CALIBRATION

Title (de)
HIMMELSKOMPASS UND VERFAHREN ZUR VERWENDUNG UND KALIBRIERUNG

Title (fr)
COMPAS CÉLESTE ET PROCÉDÉS D'UTILISATION ET D'ÉTALONNAGE

Publication
EP 3274657 A1 20180131 (EN)

Application
EP 16767866 A 20160313

Priority
• IL 23796315 A 20150326
• IL 2016050272 W 20160313

Abstract (en)
[origin: WO2016151574A1] A celestial compass that includes one or more imagers configured to image corresponding positions of stars in the sky. A storage device storing data representative of a star almanac. A position measurement device for determining the position of the celestial compass. A clock for determining the time of measurement. A processor connected to the storage device, the position measurement device and the clock and being configured to compare a distribution of one or more stars imaged by the imagers to their listed positions in the almanac, and thereby determine the azimuth and elevation of the celestial compass with respect to the horizontal plane and true north respectively.

IPC 8 full level
G01C 17/34 (2006.01)

CPC (source: EP)
G01C 17/34 (2013.01)

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)
WO 2016151574 A1 20160929; EP 3274657 A1 20180131; EP 3274657 A4 20181205; IL 237963 A0 20151130; IL 248033 A0 20170629; SG 11201707739R A 20171030

DOCDB simple family (application)
IL 2016050272 W 20160313; EP 16767866 A 20160313; IL 23796315 A 20150326; IL 24803316 A 20160925; SG 11201707739R A 20160313