

Title (en)
NAVIGATION SYSTEM

Title (de)
NAVIGATIONSSYSTEM

Title (fr)
SYSTÈME DE NAVIGATION

Publication
EP 3596587 A4 20210127 (EN)

Application
EP 18767817 A 20180313

Priority
• US 201762470405 P 20170313
• US 2018022173 W 20180313

Abstract (en)
[origin: WO2018169951A1] Touchscreen-enabled devices are provided to display images of either real or virtual environments, the devices having user interfaces including a graphical overlay laid over the images for navigating the environments. The device can interpret gestures made by the user on the touchscreen as commands, and the graphical overlay guides the user as to where to make the gestures to achieve intended maneuvers such as translations of the point of view and rotations of the point of view within the displayed environment. The graphical overlay can comprise only a single symbol, and gestures that originate within the area of the display marked by the symbol are differentiated from those gestures originating from outside of the symbol, where the differentiated gestures control translation and rotation, respectively. This allows for one-finger navigation of the environment.

IPC 8 full level
G06F 3/0481 (2013.01); **G06F 3/0488** (2013.01)

CPC (source: EP)
G05D 1/0038 (2024.01); **G06F 3/04815** (2013.01); **G06F 3/04883** (2013.01); **G06F 3/04886** (2013.01)

Citation (search report)
• [X1] US 2015363966 A1 20151217 - WELLS GREG [US], et al
• [X1] US 2015142213 A1 20150521 - WANG TAO [CN], et al
• [A] US 2010045666 A1 20100225 - KORNMANN DAVID [US], et al
• [A] SEBASTIAN MUSZYNSKI ET AL: "Adjustable autonomy for mobile teleoperation of personal service robots", RO-MAN, 2012 IEEE, IEEE, 9 September 2012 (2012-09-09), pages 933 - 940, XP032466959, ISBN: 978-1-4673-4604-7, DOI: 10.1109/ROMAN.2012.6343870
• [A] BIRKENKAMPF PETER ET AL: "A knowledge-driven shared autonomy human-robot interface for tablet computers", 2014 IEEE-RAS INTERNATIONAL CONFERENCE ON HUMANOID ROBOTS, IEEE, 18 November 2014 (2014-11-18), pages 152 - 159, XP032736045, DOI: 10.1109/HUMANOIDS.2014.7041352
• See references of WO 2018169951A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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