

Title (en)

DEVICE FOR LOCATING AN IMPACT AGAINST A TRANSPARENT INTERACTIVE SURFACE

Title (de)

VORRICHTUNG ZUR ORTUNG EINES AUFPRALLS GEGEN EINE INTERAKTIVE OBERFLÄCHE

Title (fr)

DISPOSITIF DE LOCALISATION D'UN IMPACT CONTRE UNE SURFACE INTERACTIVE TRANSPARENTE

Publication

EP 3526540 A1 20190821 (FR)

Application

EP 17786986 A 20171006

Priority

- FR 1659777 A 20161011
- FR 2017052743 W 20171006

Abstract (en)

[origin: WO2018069607A1] This device for locating an impact (P) against a transparent interactive surface (12) comprises at least three transducers (PTA, PTB, PTC, PTD) distributed against the transparent interactive surface (12) and at least one computer (14) programmed to locate the impact (P) by analysing differences in the propagation times of travelling mechanical waves coming from the impact (P) towards the transducers (PTA, PTB, PTC, PTD) on the basis of detection instants of the impact (P) that are identified in electrical signals supplied by the transducers. The device further comprises: a protective housing (10), rigidly connected to the transparent interactive surface (12), intended to accommodate at least one portion of an electronic device (16) with a display screen (18) so as to place the display screen (18) facing the transparent interactive surface (12); means (22) for adjusting the display screen (18) so that it can be centred on a marker (R) produced by a marking on the transparent interactive surface (12); and a computer (14) programmed to convert the location of the impact (P) in the transparent interactive surface (12) into a location of the impact (P) in the display screen (18).

IPC 8 full level

F41J 5/06 (2006.01); **F41J 1/10** (2006.01); **F41J 13/02** (2009.01)

CPC (source: EP US)

F41J 1/10 (2013.01 - EP US); **F41J 5/056** (2013.01 - US); **F41J 5/06** (2013.01 - EP US); **F41J 5/14** (2013.01 - EP US); **F41J 13/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2018069607A1

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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