

Title (en)
INTERACTIVE DISPLAYS

Title (de)
INTERAKTIVE DISPLAYS

Title (fr)
AFFICHAGES INTERACTIFS

Publication
EP 2332027 A4 20160803 (EN)

Application
EP 08787748 A 20080826

Priority
FI 2008050475 W 20080826

Abstract (en)
[origin: WO2010023348A1] An interactive display (100) is provided by providing a user with a perceivable visible image on an image layer (102) configured to and configured to pass through infrared light, capturing an infrared image through the image layer (102), and detecting (303) from the infrared image contact areas where a pointing object (112) is located at the image layer (102) and casts in the infrared image a corresponding shadow, the shadow comprising a peripheral region corresponding to the shape of the pointing object (112) and a central region surrounded by the peripheral region. The detecting (303) of the contact area is performed under daylight, or corresponding strong and coherent ambient infrared illumination, from at least two of the following characteristics present in the shadow of the pointing in the infrared image: darkness of the shadow; gradient of the darkness of the shadow at the edge region; sharpness of the edge region; and dimensions (310) of the shadow.

IPC 8 full level
G06F 3/042 (2006.01)

CPC (source: EP)
G06F 3/0425 (2013.01)

Citation (search report)

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Cited by
CN103970369A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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