

Title (en)  
CROSS-USER HAND TRACKING AND SHAPE RECOGNITION USER INTERFACE

Title (de)  
BENUTZERÜBERGREIFENDE HANDVERFOLGUNG UND FORMERKENNUNGSBENUTZERSCHNITTSTELLE

Title (fr)  
INTERFACE UTILISATEUR À SUIVI DE LA MAIN ET RECONNAISSANCE DE FORME INTER-UTILISATEUR

Publication  
**EP 2845084 A2 20150311 (EN)**

Application  
**EP 13784768 A 20130506**

Priority

- US 201261643124 P 20120504
- US 201261655423 P 20120604
- US 201213532527 A 20120625
- US 201213532628 A 20120625
- US 201213532605 A 20120625
- US 201261711152 P 20121008
- US 201261719109 P 20121026
- US 201261722007 P 20121102
- US 201261725449 P 20121112
- US 201261747940 P 20121231
- US 201313759472 A 20130205
- US 201361785053 P 20130314
- US 201361787792 P 20130315
- US 201361787650 P 20130315
- US 201313850837 A 20130326
- US 2013039764 W 20130506

Abstract (en)  
[origin: WO2013166513A2] Embodiments include vision-based interfaces performing hand or object tracking and shape recognition. The vision-based interface receives data from a sensor, and the data corresponds to an object detected by the sensor. The interface generates images from each frame of the data, and the images represent numerous resolutions. The interface detects blobs in the images and tracks the object by associating the blobs with tracks of the object. The interface detects a pose of the object by classifying each blob as corresponding to one of a number of object shapes. The interface controls a gestural interface in response to the pose and the tracks.

IPC 8 full level  
**G06F 3/048** (2006.01); **G06F 3/01** (2006.01); **G06K 9/00** (2006.01)

CPC (source: EP)  
**G06F 3/017** (2013.01); **G06F 3/0304** (2013.01); **G06K 7/00** (2013.01); **G06V 40/107** (2022.01)

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 2013166513 A2 20131107**; **WO 2013166513 A3 20140109**; EP 2845084 A2 20150311; EP 2845084 A4 20160831;  
JP 2015525381 A 20150903

DOCDB simple family (application)  
**US 2013039764 W 20130506**; EP 13784768 A 20130506; JP 2015510510 A 20130506