

Title (en)  
TACTILE GRAPHIC DISPLAY

Title (de)  
TAKTILE GRAFISCHE ANZEIGE

Title (fr)  
DISPOSITIF D'AFFICHAGE DE GRAPHIQUE TACTILE

Publication  
**EP 3347890 A4 20190501 (EN)**

Application  
**EP 16844945 A 20160907**

Priority  
• US 201514850393 A 20150910  
• US 2016050462 W 20160907

Abstract (en)  
[origin: WO2017044439A1] A tactile graphic display for providing a display representation of a graph or image generated by a graphic device for visually impaired users or other users who wish to access tactile information. The display includes one or more frame assemblies including hollow actuator chambers and hollow shaft chambers, the hollow shaft chambers extending perpendicular to the hollow actuator members. Actuators are received within the plurality of hollow actuator chambers and drive shafts are received with the hollow shaft members. Cams operably connect the actuators to the drive shafts. Each actuator rotates each cam about an axis of the actuator in a first direction from a down position to an up position thereby extending each drive shaft upwardly, and each actuator operably rotates each cam about the axis of the actuator in a second direction opposite to the first direction to the down position thereby retracting each drive shaft downwardly.

IPC 8 full level  
**G09B 21/00** (2006.01)

CPC (source: EP KR)  
**G09B 21/004** (2013.01 - EP KR)

Citation (search report)  
• [I] US 2014255880 A1 20140911 - CHARI VENKATESH R [US]  
• [I] US 5766014 A 19980616 - IDA TAKASHI [JP], et al  
• [A] US 5772440 A 19980630 - IDA TAKASHI [JP]  
• [A] US 5209584 A 19930511 - GALARNEAU ROLAND [CA]  
• See references of WO 2017044439A1

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

DOCDB simple family (publication)  
**WO 2017044439 A1 20170316**; CN 107924644 A 20180417; EP 3347890 A1 20180718; EP 3347890 A4 20190501;  
KR 20180040724 A 20180420; TW 201712646 A 20170401

DOCDB simple family (application)  
**US 2016050462 W 20160907**; CN 201680048769 A 20160907; EP 16844945 A 20160907; KR 20187009793 A 20160907;  
TW 105129367 A 20160909