Title (en)

STYLUS AND STYLUS CIRCUITRY FOR CAPACITIVE TOUCH SCREENS

Title (de)

STIFT UND STIFTSCHALTKREIS FÜR KAPAZITIVE BERÜHRUNGSBILDSCHIRME

Title (fr)

STYLET ET CIRCUITERIE DE STYLET POUR ÉCRANS TACTILES CAPACITIFS

Publication

**EP 2845083 A4 20160113 (EN)**

Application

**EP 12875794 A 20121205**

Priority

- US 201261639951 P 20120429
- US 201213607051 A 20120907
- US 2012067897 W 20121205

Abstract (en)

[origin: WO2013165466A1] Active stylus circuitry for a capacitive touch screen includes an inverting charge integrator circuit and an inverting amplifier. To reduce power consumption of the active stylus circuitry, a touchscreen sensing circuit senses an increase in a driveline voltage at the capacitive touchscreen and, upon detection of the increase, connects a power supply to the inverting charge integrator and the inverting amplifier. An automatic gain control circuit may be implemented to adjust gain of the active stylus circuitry depending on the sensitivity of the capacitive touchscreen. A dual-tip active/passive stylus is disclosed in which charge flowing through the passive tip during use is measured to set a gain for the active stylus tip circuitry.

IPC 8 full level

**G06F 3/0354** (2013.01); **G06F 3/038** (2013.01); **G06F 3/044** (2006.01)

CPC (source: CN EP US)

**G06F 3/03545** (2013.01 - EP); **G06F 3/0383** (2013.01 - EP US); **G06F 3/044** (2013.01 - CN); **G06F 3/0441** (2019.04 - US); **G06F 3/0442** (2019.04 - US); **G06F 3/0443** (2019.04 - US); G06F 3/0441 (2019.04 - EP); G06F 3/0442 (2019.04 - EP); G06F 3/0443 (2019.04 - EP)

Citation (search report)

- [A] US 2010315384 A1 20101216 - HARGREAVES KIRK [US], et al
- [A] US 7612767 B1 20091103 - GRIFFIN PAUL [US], et al
- See references of WO 2013165466A1

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 2013165466 A1 20131107**; CN 104285198 A 20150114; CN 104285198 B 20190215; EP 2845083 A1 20150311; EP 2845083 A4 20160113

DOCDB simple family (application)

**US 2012067897 W 20121205**; CN 201280072773 A 20121205; EP 12875794 A 20121205