

Title (en)  
VARIABLE TAP GAMMA AMPLIFIER, GAMMA VOLTAGE GENERATOR, AND DISPLAY DRIVING INTEGRATED CIRCUIT

Title (de)  
GAMMAVERSTÄRKER MIT VARIABLEM TAP, GAMMASPANNUNGSGENERATOR UND INTEGRIERTE ANZEIGEANSTEUERUNGSSCHALTUNG

Title (fr)  
AMPLIFICATEUR GAMMA À PRISE VARIABLE, GÉNÉRATEUR DE TENSION GAMMA ET CIRCUIT INTÉGRÉ DE COMMANDE D’AFFICHAGE

Publication  
EP 4300475 A1 20240103 (EN)

Application  
EP 23180533 A 20230621

Priority

- KR 20220079881 A 20220629
- US 202318310334 A 20230501

Abstract (en)  
[origin: TW202416260A] Among the implementations described herein is a gamma voltage generator which includes a first resistor string that is connected between a 0-th terminal and a first terminal and outputs first gamma voltages, a 0-th gamma amplifier that outputs a 0-th tap voltage to the 0-th terminal by using a 0-th reference voltage, a first variable tap gamma amplifier that outputs a first tap voltage to the first terminal by using a first reference voltage, and a gamma control logic circuit that selectively activates a first tap change signal based on a first grayscale ratio of first line data. The first variable tap gamma amplifier outputs a second tap voltage to a first central terminal of the first resistor string by using a second reference voltage, in response to the first tap change signal thus activated.

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Citation (search report)

- [Y] US 2006087483 A1 20060427 - TAKADA NAOKI [JP], et al
- [Y] US 2008055213 A1 20080306 - WEITBRUCH SEBASTIEN [DE], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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