

Title (en)
Systems and methods for generating reference voltages

Title (de)
Vorrichtungen und Verfahren zur Erzeugung von Referenzspannungen

Title (fr)
Systèmes et procédés pour générer des tensions de référence

Publication
EP 1763015 A1 20070314 (EN)

Application
EP 05019572 A 20050908

Priority
EP 05019572 A 20050908

Abstract (en)
Systems and methods for generating reference voltages are provided. A representative system comprises a resistor circuit (32); a first switch (SW1) coupled between a first end of the resistor circuit (C) and first power source (Vss); a second switch (SW2) coupled between the first end of the resistor circuit (C) and a second power source (Vcc); a third switch (SW3) coupled to a second end of the resistor circuit (D); a fourth switch (SW4) coupled to the second end of the resistor circuit (D); a first resistor (R1) coupled between the first end of the resistor circuit and the first switch; a second resistor (R2) coupled between the first end of the resistor circuit and the second switch; a third resistor (R3) coupled between the second end of the resistor circuit and the third switch; a fourth resistor (R4) coupled between the second end of the resistor circuit and the fourth switch; and a control circuit (34) for controlling the switches.

IPC 8 full level
G09G 3/36 (2006.01)

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Citation (search report)
• [X] WO 2004059603 A2 20040715 - CASIO COMPUTER CO LTD [JP], et al
• [A] EP 1335344 A2 20030813 - SEIKO EPSON CORP [JP]
• [A] US 2002097208 A1 20020725 - HASHIMOTO YOSHIHARU [JP]
• [A] JP 2004348122 A 20041209 - MATSUSHITA ELECTRIC IND CO LTD & PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)

Cited by
US7907110B2; WO2008124051A1

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