



EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
26.02.2014 Bulletin 2014/09

(51) Int Cl.:
G09G 3/32 (2006.01)

(43) Date of publication A2:
11.09.2013 Bulletin 2013/37

(21) Application number: **12191938.5**

(22) Date of filing: **09.11.2012**

(84) Designated Contracting States:
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 States:
BA ME

(72) Inventor: **Park, Sung-Cheon**
Gyeonggi-Do (KR)

(74) Representative: **Mounteney, Simon James**
Marks & Clerk LLP
90 Long Acre
London
WC2E 9RA (GB)

(30) Priority: **05.03.2012 KR 20120022336**

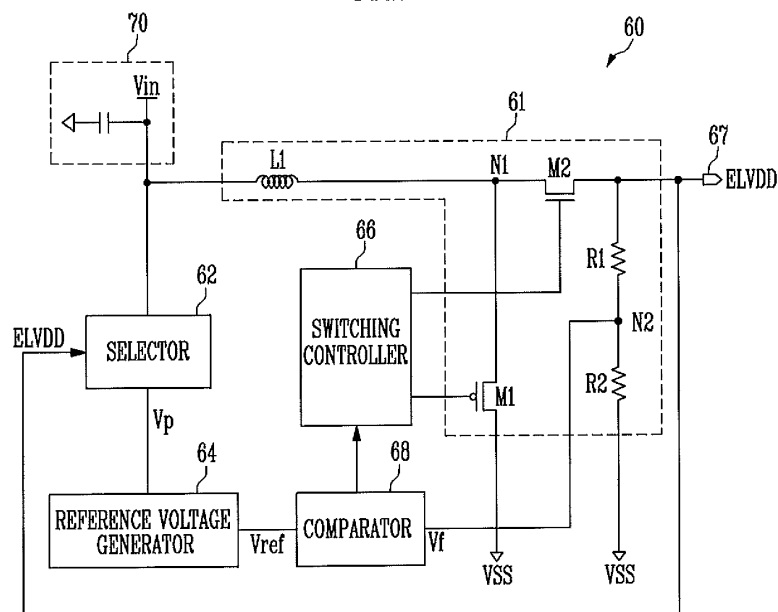
(71) Applicant: **Samsung Display Co., Ltd.**
Yongin-City, Gyeonggi-Do (KR)

(54) **Power generator and organic light emitting display device using the same**

(57) A power generator includes a booster that boosts an input voltage supplied from a power supply unit and that supplies a boosted input voltage to an output terminal, a selector that selects one of the input voltage and a voltage at the output terminal as a selected voltage and supplies the selected voltage as an output voltage,

a reference voltage generator that generates a reference voltage based on the output voltage, a comparator that compares a feedback voltage supplied from the booster and the reference voltage with each other, and a controller that controls the booster to output a chosen voltage from the output terminal according to a comparison result of the comparator.

FIG. 4





EUROPEAN SEARCH REPORT

Application Number
EP 12 19 1938

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	Tom Gross: "Linear Technology Magazine @BULLET May 1998 37 DESIGN IDEAS", 31 May 1998 (1998-05-31), pages 37-37, XP055097379, Retrieved from the Internet: URL:http://cds.linear.com/docs/en/lt-journal/LTC1266_0598_Mag.pdf [retrieved on 2014-01-20] * the whole document *	1-11	INV. G09G3/32
A	"LTC1266 Synchronous Regulator Controller for N-or P-Channel MOSFETs", 31 December 1995 (1995-12-31), pages 1-20, XP055097382, Retrieved from the Internet: URL:http://cds.linear.com/docs/en/datasheet/l266fa.pdf [retrieved on 2014-01-20] * pages 1,6,7; figure Functional diagram, *	1-11	TECHNICAL FIELDS SEARCHED (IPC) G09G H02M
A	EP 2 068 298 A1 (SAMSUNG MOBILE DISPLAY CO LTD [KR]) 10 June 2009 (2009-06-10) * abstract; figure 6 *	9,10	
A	US 2011/273109 A1 (PARK SUNG-CHEON [KR]) 10 November 2011 (2011-11-10) * paragraph [0070] *	11	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 21 January 2014	Examiner Vázquez del Real, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

 1
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 12 19 1938

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

21-01-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 2068298	A1	10-06-2009	CN 101453802 A	10-06-2009
			EP 2068298 A1	10-06-2009
			JP 2009139935 A	25-06-2009
			US 2009140661 A1	04-06-2009

US 2011273109	A1	10-11-2011	CN 102243841 A	16-11-2011
			KR 20110123983 A	16-11-2011
			TW 201203206 A	16-01-2012
			US 2011273109 A1	10-11-2011

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

