



## Patent assignment 041330/0143

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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DONGBU ELECTRONICS CO., LTD.

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**Assignee**  
CONVERSANT INTELLECTUAL PROPERTY  
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**Correspondent**  
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### Properties (25 of 29 total)

**Patent**                      **Publication**                      **Application**                      **PCT**                      **International registration**

1. CMOS IMAGE SENSOR

Inventors: In Gyun Jeon, Jinsu Han

6897500                      20040061113                      10442898  
May 24, 2005                      Apr 01, 2004                      May 21, 2003

2. PINNED PHOTODIODE FOR A CMOS IMAGE SENSOR AND FABRICATING METHOD THEREOF

Inventors: Hoon Jang, Keun Hyuk Lim

6781171                      20040041150                      10623389  
Aug 24, 2004                      Mar 04, 2004                      Jul 18, 2003

3. CMOS IMAGE SENSOR HAVING IMPURITY DIFFUSION REGION SEPARATED FROM ISOLATION REGION

Inventors: Chang Hun Han

7411234                      20050062078                      10747307  
Aug 12, 2008                      Mar 24, 2005                      Dec 30, 2003

4. COLOR FILTER OF IMAGE SENSOR, IMAGE SENSOR, AND METHOD FOR MANUFACTURING THE IMAGE SENSOR

Inventors: James Jang

7326978                      20050067668                      10747405  
Feb 05, 2008                      Mar 31, 2005                      Dec 30, 2003

5. PINNED PHOTODIODE FOR A CMOS IMAGE SENSOR AND FABRICATING METHOD THEREOF

Inventors: Hoon Jang, Keun Hyuk Lim

6967120                      20040232417                      10831815  
Nov 22, 2005                      Nov 25, 2004                      Apr 26, 2004

6. CMOS IMAGE SENSOR

Inventors: Young Rok Kim

7262448                      20050280108                      11020526  
Aug 28, 2007                      Dec 22, 2005                      Dec 27, 2004

7. CMOS IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: Shang Won Kim

7491993	20060138498	11315627
Feb 17, 2009	Jun 29, 2006	Dec 23, 2005

8. CMOS IMAGE SENSOR AND METHOD FOR FABRICATING THE SAME  
Inventors: Seoung Hyun Kim

7341885	20060138500	11319184
Mar 11, 2008	Jun 29, 2006	Dec 28, 2005

9. CMOS IMAGE SENSOR AND METHOD FOR FABRICATING THE SAME  
Inventors: Keun Hyuk Lim

7390686	20060145219	11319587
Jun 24, 2008	Jul 06, 2006	Dec 29, 2005

10. CMOS IMAGE SENSOR AND METHOD FOR FABRICATING THE SAME  
Inventors: Jong Woon Choi

7439095	20070029579	11320702
Oct 21, 2008	Feb 08, 2007	Dec 30, 2005

11. CMOS IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: Joon Hwang

7488616	20070096232	11528077
Feb 10, 2009	May 03, 2007	Sep 26, 2006

12. CMOS IMAGE SENSOR AND METHOD OF FABRICATING THE SAME  
Inventors: Bi O. Lim

7554143	20070018213	11529510
Jun 30, 2009	Jan 25, 2007	Sep 29, 2006

13. CMOS IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: Heui Gyun Ahn

7772666	20070152286	11616047
Aug 10, 2010	Jul 05, 2007	Dec 26, 2006

14. IMAGE SENSOR AND FABRICATING METHOD THEREOF  
Inventors: Cheon-Man Shim

7646049	20080054299	11844714
Jan 12, 2010	Mar 06, 2008	Aug 24, 2007

15. COLOR FILTER OF IMAGE SENSOR, IMAGE SENSOR, AND METHOD FOR MANUFACTURING THE IMAGE SENSOR  
Inventors: James Jang

7723149	20080102555	11999939
May 25, 2010	May 01, 2008	Dec 07, 2007

16. CMOS IMAGE SENSOR AND MANUFACTURING METHOD THEREOF  
Inventors: Hee Sung Shim

7884401	20080157152	12004533
Feb 08, 2011	Jul 03, 2008	Dec 21, 2007

17. IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: Sang-Wook Ryu

7687305 Mar 30, 2010	20080224244 Sep 18, 2008	12046035 Mar 11, 2008
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18. CMOS IMAGE SENSOR AND METHOD FOR FABRICATING THE SAME  
Inventors: Keun Hyuk Lim

7642613 Jan 05, 2010	20080185622 Aug 07, 2008	12078552 Apr 01, 2008
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19. CMOS IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: Chang Hun Han

7632730 Dec 15, 2009	20080227248 Sep 18, 2008	12105493 Apr 18, 2008
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20. IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: JIN HO PARK

7541215 Jun 02, 2009	20080283949 Nov 20, 2008	12122172 May 16, 2008
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21. IMAGE SENSOR  
Inventors: An Do Ki

7884402 Feb 08, 2011	20090114961 May 07, 2009	12239924 Sep 29, 2008
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22. IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: Seung Ryong PARK

8049289 Nov 01, 2011	20090096050 Apr 16, 2009	12248758 Oct 09, 2008
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23. CMOS IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: JOON HWANG

7709871 May 04, 2010	20090101946 Apr 23, 2009	12347028 Dec 31, 2008
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24. IMAGE SENSOR AND METHOD FOR MANUFACTURING THE SAME  
Inventors: Chang-Hun Han

8278614 Oct 02, 2012	20100090095 Apr 15, 2010	12576489 Oct 09, 2009
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25. IMAGE SENSOR HAVING DIELECTRIC LAYER WHICH ALLOWS FIRST IMPURITY REGION OF PHOTODIODE TO BE ISOLATED FROM CONTACT PLUG AND SECOND IMPURITY REGION OF THE PHOTODIODE TO CONTACT THE CONTACT PLUG  
Inventors: Ki-Jun Yun

8258593 Sep 04, 2012	20100117180 May 13, 2010	12615075 Nov 09, 2009
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