

### 衬底技术领域重要专利

1	4/66 - (C) WPI / DERWENT	AN - 2003-471316 [45]
2	12/66 - (C) WPI / DERWENT	AN - 2003-058242 [05]
3	17/66 - (C) WPI / DERWENT	AN - 2002-668694 [72]
4	18/66 - (C) WPI / DERWENT	AN - 2002-652100 [70]
5	21/66 - (C) WPI / DERWENT	AN - 2002-331789 [37]
6	24/66 - (C) WPI / DERWENT	AN - 2002-239745 [29]
7	27/66 - (C) WPI / DERWENT	AN - 2002-089759 [12]
8	29/66 - (C) WPI / DERWENT	AN - 2001-259683 [27]
9	39/66 - (C) WPI / DERWENT	AN - 2000-064719 [06]
10	40/66 - (C) WPI / DERWENT	AN - 2000-055564 [05]
11	48/66 - (C) WPI / DERWENT	AN - 1999-363504 [31]
	<b>【申请号】 02802023</b>	<b>【发明名称】 获得整体单晶性含镓氮化物的方法及装置</b>
	<b>【申请号】 200410002946</b>	<b>【发明名称】 制造第三族氮化物衬底的方法</b>

### 外延部分重要专利

1	3/117 - (C) WPI / DERWENT	US2003085409 NOVELTY
2	5/117 - (C) WPI / DERWENT	JP2003086903 NOVELTY
3	7/117 - (C) WPI / DERWENT	US2003015713 NOVELTY
4	10/117 - (C) WPI / DERWENT	WO200297904 NOVELTY
5	11/117 - (C) WPI / DERWENT	WO200289220 NOVELTY
6	27/117 - (C) WPI / DERWENT	US2002008243 NOVELTY
7	28/117 - (C) WPI / DERWENT	KR2001068216 NOVELTY
8	30/117 - (C) WPI / DERWENT	EP1132977 NOVELTY
9	31/117 - (C) WPI / DERWENT	TW442984 NOVELTY
10	33/117 - (C) WPI / DERWENT	WO200169662 NOVELTY
11	43/117 - (C) WPI / DERWENT	GB2352329 NOVELTY
12	72/117 - (A) WPI / DERWENT	GB2320365
13	77/117 - (A) WPI / DERWENT	GB2317053
14	79/117 - (A) WPI / DERWENT	WO9750132
15	81/117 - (A) WPI / DERWENT	US5684309
16	86/117 - (A) WPI / DERWENT	EP772249
17	91/117 - (A) WPI / DERWENT	EP-762516
18	109/117 - (B) WPI / DERWENT	EP622858
19	10/117 - (C) WPI / DERWENT	EP-599224
20	113/117 - (C) WPI / DERWENT	EP-497350
21	114/117 - (C) WPI / DERWENT	DE4006449

## 芯片结构部分重要专利

### 一、表面粗糙化:

1	1/6 - ( A ) WPI / DERWENT	EP1271665 NOVELTY
2	3/6 - ( A ) WPI / DERWENT	GB2311413
3	4/6 - ( A ) WPI / DERWENT	DE19537544
4	6/6 - ( A ) WPI / DERWENT	EP-404565

### 二、芯片外形:

5	1/21 - ( A ) WPI / DERWENT	EP1331673 NOVELTY
6	4/21 - ( B ) WPI / DERWENT	US2002017652 NOVELTY
7	5/21 - ( A ) WPI / DERWENT	FR2809534 NOVELTY
8	7/21 - ( A ) WPI / DERWENT	WO200205358 NOVELTY
9	9/21 - ( A ) WPI / DERWENT	WO200203477 NOVELTY
10	10/21 - ( ) WPI / DERWENT	WO200161765 NOVELTY
11	15/21 - ( A ) WPI / DERWENT	GB2326023
12	16/21 - ( A ) WPI / DERWENT	EP-766324

### 三、衬底剥离:

13	1/15 - ( A ) WPI / DERWENT	US2003032210 NOVELTY
14	3/15 - ( A ) WPI / DERWENT	US2002034835 NOVELTY
15	4/15 - ( A ) WPI / DERWENT	WO200219439 NOVELTY
16	5/15 - ( A ) WPI / DERWENT	WO200182384 NOVELTY
17	7/15 - ( A ) WPI / DERWENT	EP1065734 NOVELTY
18	8/15 - ( A ) WPI / DERWENT	EP1059662 NOVELTY
19	9/15 - ( A ) WPI / DERWENT	CN1262528 NOVELTY
20	10/15 - ( A ) WPI / DERWENT	GB2346480 NOVELTY
21	11/15 - ( A ) WPI / DERWENT	GB2346479 NOVELTY

### 四、划片、裂片:

22	1/19 - ( A ) WPI / DERWENT	DE10102315 NOVELTY
23	3/19 - ( A ) WPI / DERWENT	EP1223625 NOVELTY
24	4/19 - ( A ) WPI / DERWENT	WO200256365 NOVELTY
25	8/19 - ( A ) WPI / DERWENT	JP11251265 NOVELTY
26	9/19 - ( A ) WPI / DERWENT	GB2322737
27	10/19 - ( A ) WPI / DERWENT	WO9807190
28	14/19 - ( A ) WPI / DERWENT	US5418190
29	17/19 - ( A ) WPI / DERWENT	EP-341034
30	18/19 - ( A ) WPI / DERWENT	DE3731312

### 五、电极

31	3/36 - ( A ) WPI / DERWENT	US2002074556 NOVELTY
32	5/36 - ( A ) WPI / DERWENT	DE10048196 NOVELTY
33	9/36 - ( A ) WPI / DERWENT	EP1168460 NOVELTY
34	12/36 - ( A ) WPI / DERWENT	DE10017758 NOVELTY
35	22/36 - ( A ) WPI / DERWENT	WO9834285
36	23/36 - ( A ) WPI / DERWENT	EP858114
37	27/36 - ( A ) WPI / DERWENT	J09298313
38	30/36 - ( A ) WPI / DERWENT	J09064337

( Ni/Au )

39	35/36 - (C) WPI / DERWENT	<b>EP622858</b>
40	36/36 - (C) WPI / DERWENT	<b>EP-579897</b>
<b>六、蚀刻</b>		
41	1/11 - (A) WPI / DERWENT	<b>US2003042496 NOVELTY</b>
42	2/11 - (A) WPI / DERWENT	<b>WO200175952 NOVELTY</b>
43	11/11 - (A) WPI / DERWENT	
<b>七、光子晶体</b>		
44	1/22 - (A) WPI / DERWENT	<b>JP2003215366 NOVELTY</b>
45	2/22 - (A) WPI / DERWENT	<b>US2003053790 NOVELTY</b>
46	13/22 - (A) WPI / DERWENT	<b>US6339030 NOVELTY</b>
47	17/22 - (A) WPI / DERWENT	<b>JP2001091777 NOVELTY</b>
48	19/22 - (A) WPI / DERWENT	<b>JP2000329953 NOVELTY</b>
49	20/22 - (A) WPI / DERWENT	<b>AB - JP2000121987 NOVELTY</b>
<b>八、微结构</b>		
50	1/8 - (A) WPI / DERWENT	<b>WO200141219 NOVELTY</b>
51	6/8 - (A) WPI / DERWENT	<b>WO9641372</b>
<b>九、钝化</b>		
52	1/10 - (A)) WPI / DERWENT	<b>US2003025121 NOVELTY</b>
53	6/10 - (A) WPI / DERWENT	<b>US6316820 NOVELTY</b>

#### 封装部分重要专利

1	4878236	2	5012507
3	4935951	4	34677
5	5952916	6	5748706
7	628908B1	8	6009148
9	5952916	10	649611B1
11	6504908B1	12	6471373B1
13	6590235B2	14	6274924B1
15	6204523B1	16	0041222A1
17	0113244A1	18	6294800B1
19	0050371A1	20	2002/0003233A1
21	2001/0002049A1	22	6163038
23	6252254B1	24	6255670B1
25	2001/0001207A1	26	2003/0025212A1
27	2003/0133300A1	28	

国内专利号码:

1	01144153.4	2	03203645.0
3	01278462.1		

### 应用部分重要专利

1	1/680 (1/501 WPI) - (C) WPI / DERWENT	AN - 2003-599625 [57]
2	2/680 (2/501 WPI) - (C) WPI / DERWENT	AN - 2003-593485 [56]
3	3/680 (3/501 WPI) - (C) WPI / DERWENT	AN - 2003-583845 [55]
4	4/680 (4/501 WPI) - (C) WPI / DERWENT	AN - 2003-563377 [53]
5	7/680 (7/501 WPI) - (C) WPI / DERWENT	AN - 2003-527984 [50]
6	9/680 (9/501 WPI) - (C) WPI / DERWENT	AN - 2003-509617 [48]
7	12/680 (12/501 WPI) - (C) WPI / DERWENT	AN - 2003-499934 [47]
8	13/680 (13/501 WPI) - (C) WPI / DERWENT	AN - 2003-452708 [43]
9	17/680 (17/501 WPI) - (C) WPI / DERWENT	AN - 2003-377151 [36]
10	99/680 (99/501 WPI) - (C) WPI / DERWENT	AN - 2002-286857 [33]
11	100/680 (100/501 WPI) - (C) WPI / DERWENT	AN - 2002-284455 [33]
12	101/680 (101/501 WPI) - (C) WPI / DERWENT	AN - 2002-272509 [32]
13	81/680 (81/501 WPI) - (C) WPI / DERWENT	AN - 2002-406362 [44]
14	79/680 (79/501 WPI) - (C) WPI / DERWENT	AN - 2002-418104 [45]
15	78/680 (78/501 WPI) - (C) WPI / DERWENT	AN - 2002-418683 [45]
16	76/680 (76/501 WPI) - (C) WPI / DERWENT	AN - 2002-482968 [52]
17	100/680 (100/501 WPI) - (C) WPI / DERWENT	AN - 2002-284455 [33]
18	107/680 (107/501 WPI) - (C) WPI / DERWENT	AN - 2002-233237 [29]
19	114/680 (114/501 WPI) - (C) WPI / DERWENT	AN - 2002-210292 [27]
20	121/680 (121/501 WPI) - (C) WPI / DERWENT	AN - 2002-161576 [21]
21	168/680 (168/501 WPI) - (C) WPI / DERWENT	AN - 2001-151142 [16]
22	176/680 (176/501 WPI) - (C) WPI / DERWENT	AN - 2000-675646 [66]
23	251/680 (251/501 WPI) - (C) WPI / DERWENT	AN - 1999-138028 [12]
24	255/680 (255/501 WPI) - (C) WPI / DERWENT	AN - 1999-052102 [05]
25	257/680 (257/501 WPI) - (C) WPI / DERWENT	AN - 1998-605379 [51]
26	268/680 (268/501 WPI) - (C) WPI / DERWENT	AN - 1998-380708 [33]
27	276/680 (276/501 WPI) - (C) WPI / DERWENT	AN - 1998-236711 [21]
28	285/680 (285/501 WPI) - (C) WPI / DERWENT	AN - 1998-097215 [09]
29	301/680 (301/501 WPI) - (C) WPI / DERWENT	AN - 1997-386962 [36]
30	345/680 (345/501 WPI) - (C) WPI / DERWENT	AN - 1996-213024 [22]
31	370/680 (370/501 WPI) - (C) WPI / DERWENT	AN - 1995-064865 [09]
32	376/680 (376/501 WPI) - (C) WPI / DERWENT	AN - 1994-257830 [32]
33	379/680 (379/501 WPI) - (C) WPI / DERWENT	AN - 1994-191785 [23]