

WIREBONDS STATUS

dE				E-front				E-back				Last checked	
strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	date	detector
1		~		1				1				10/1/07	dE, Eb, Ef
2	~	~		2		~		2					
3				3	~		~	3					
4				4	~	~	~	4					
5				5				5					
6				6				6	/	/			
7				7				7					
8				8				8					
9				9				9					
10				10				10		/			
11				11				11					
12				12		~		12		/	/		
13				13				13	/	/	/		
14				14				14	/	/			
15				15				15	/				
16				16	~		~	16			/		
17				17				17	/				
18				18				18					
19				19				19			/		
20				20				20		/	/		
21		~		21				21		/			
22		~		22				22					
23			X	23				23					
24				24				24					
25	X			25				25	/				
26		~		26				26					
27				27				27					
28			X	28				28					
29				29				29					
30	X		~	30				30					
31		~	~	31				31					
32	~	~	~	32				32					

Legend:

X = bond missing / = bond broken ~ = bond damaged

T28

AE = 2297-8
E = 2113-5

WIREBONDS STATUS

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strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	date	detector
1		~		1				1				10/1/07	dE, Eb, Ef
2	~	~		2		~		2					
3				3	~		~	3					
4				4	~	~	~	4					
5				5				5					
6				6				6	/	/			
7				7				7					
8				8				8					
9				9				9					
10				10				10		/			
11				11				11					
12				12		~		12		/	/		
13				13				13	/	/	/		
14				14				14	/	/			
15				15				15	/	/			
16				16	~		~	16			/		
17				17				17	/	/			
18				18				18					
19				19				19			/		
20				20				20		/	/		
21		~		21				21		/	/		
22		~		22				22					
23			X	23				23					
24				24				24					
25	X			25				25	/	/			
26		~		26				26					
27				27				27					
28			X	28				28					
29				29				29					
30	X		~	30				30					
31		~	~	31				31					
32	~	~	~	32				32					

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Front Side Data

I _d Current (nA)	V _{op}	V _{op} +30V
1	40.8	46.6
2	32.2	33.8
3	32.3	34.3
4	31	33.1
5	29.6	32
6	28.7	30.9
7	28.2	30.3
8	28.8	30.2
9	28.6	30.5
10	31.7	29.9
11	38.7	30.2
12	27.6	29.2
13	27.6	29.3
14	27.9	28.3
15	27	28.3
16	26.4	27.7
17	26.2	27.2
18	24.6	25.9
19	24.8	26.1
20	27.8	35.2
21	24	25.1
22	24	25
23	23.8	24.9
24	65.6	118
25	24.6	25.5
26	24.5	25.4
27	25	25.8
28	25.8	25.3
29	25.7	26.3
30	59	133.4
31	28	28.3
32	41.3	61.3
total	1021.9	1323.3

Water No: 2113-5

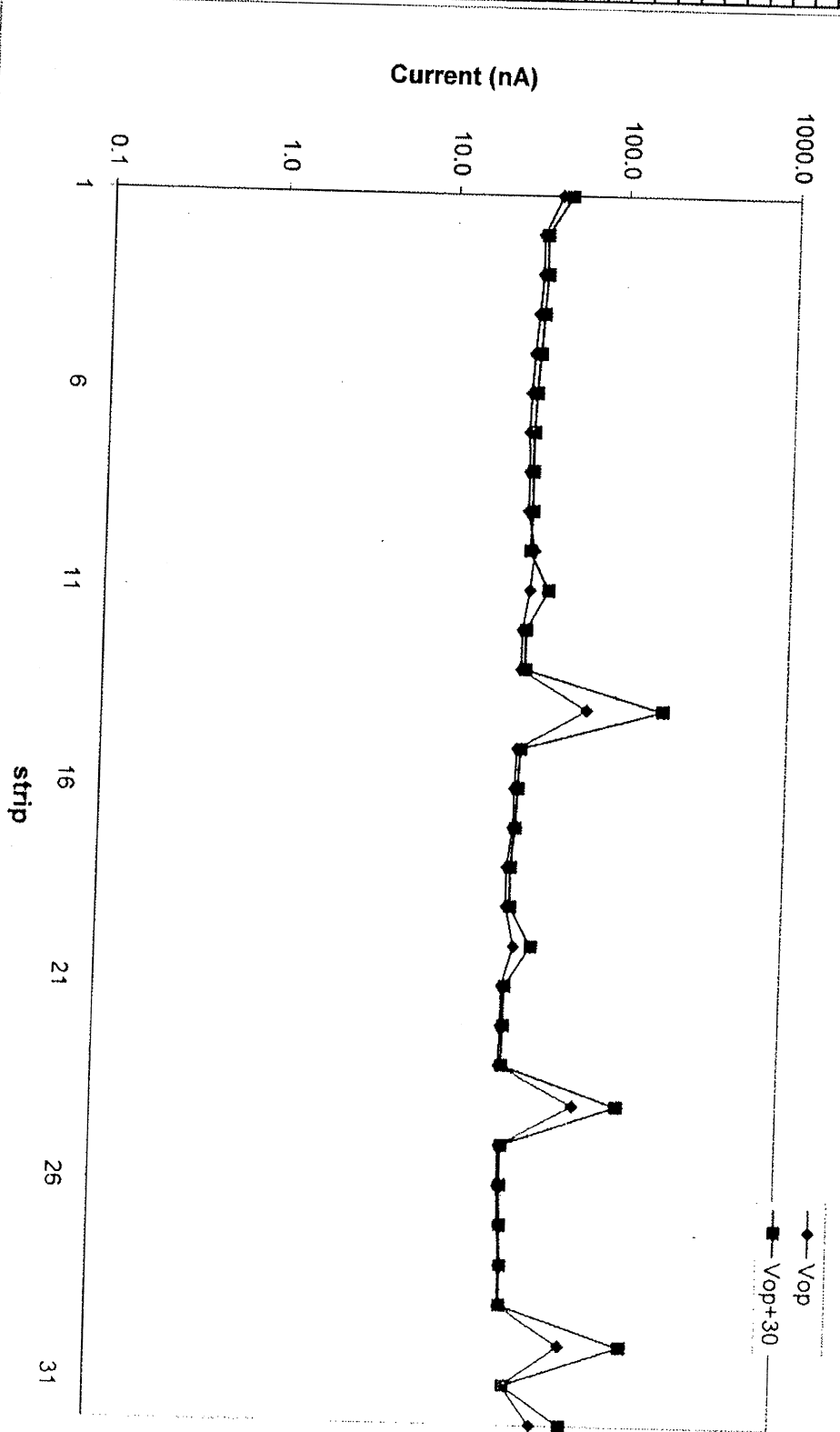
Thickness: 1460 um

V_{op}: 380 Volts

Patent for Proforma

BB7-1500

Front Side Strip Leakage Current



25/06/03

Resolution Plot

HIRA BB7-1500

Wafer No.: 2113-5

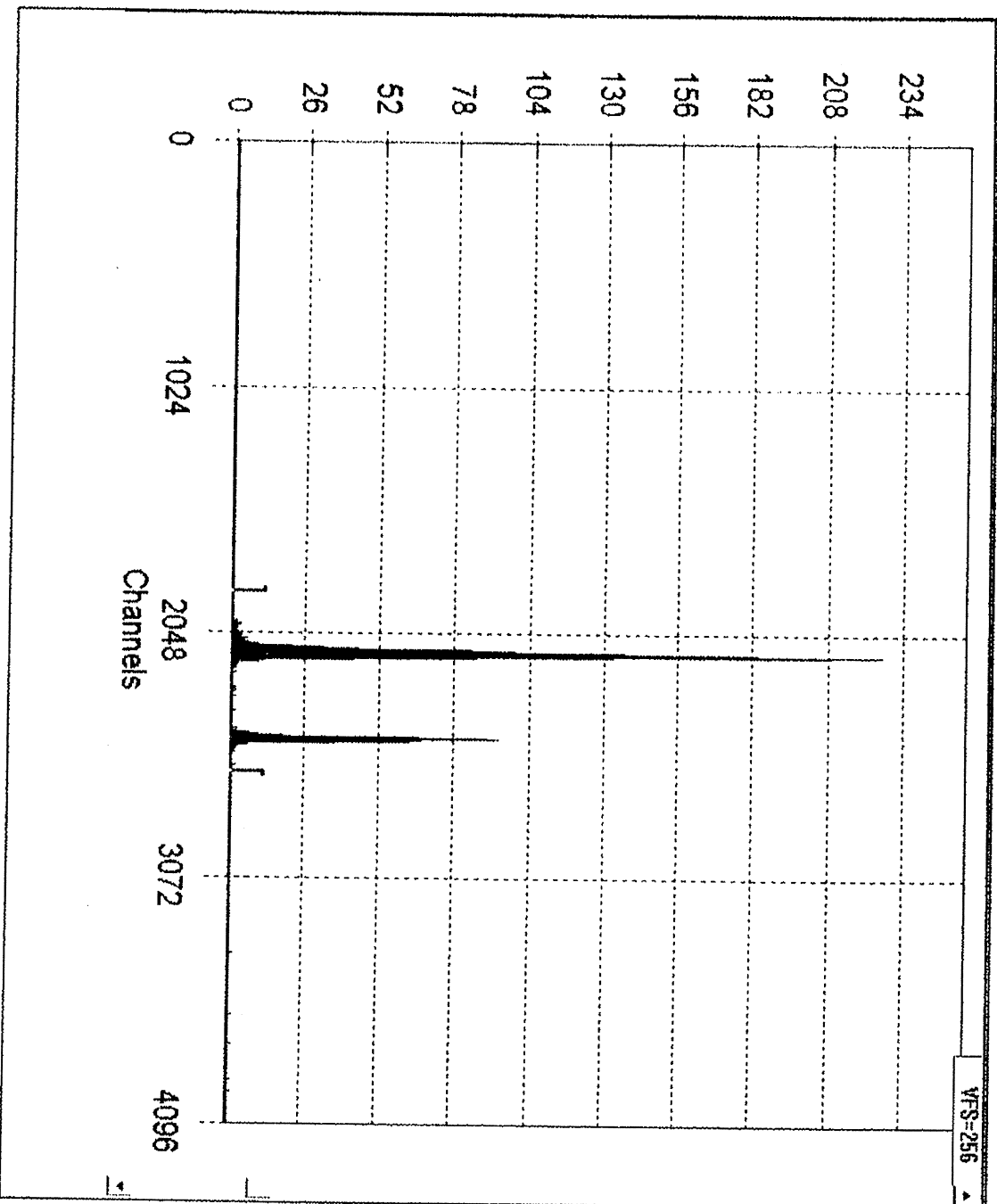
Thickness: 1460 μm

CTION

LINE	57.2	Kev
ITEM	42	Kev
	38.8	Kev

MIC

LINE	59	Kev
ITEM	41.8	Kev
	41.6	Kev



BIAS VOLTS= 3.82 V

Leakage 1080 nA

Source Am 241

Rise Time 1

Flat Top 0

INDIANA UNIVERSITY

BACK RESISTANCE MEASUREMENT:

DATE: 25/06/03

DEVICE TYPE: HIRA BR7-D/S-1500

DEVICE NUMBER: 2113-5

THICKNESS: 1460nm

OPERATING VOLTAGE: 880V

CHANNEL	OV	V.OP	V.OP + 30V
1-2	1.6KΩ	>1MΩ	>1MΩ
2-3	1.6KΩ	>1MΩ	>1MΩ
3-4	1.6KΩ	>1MΩ	>1MΩ
4-5	1.6KΩ	>1MΩ	>1MΩ
5-6	1.7KΩ	>1MΩ	>1MΩ
6-7	1.7KΩ	>1MΩ	>1MΩ
7-8	1.7KΩ	>1MΩ	>1MΩ
8-9	1.6KΩ	>1MΩ	434KΩ
9-10	1.6KΩ	>1MΩ	>1MΩ
10-11	1.5KΩ	>1MΩ	>1MΩ
11-12	1.5KΩ	>1MΩ	>1MΩ
12-13	1.5KΩ	102KΩ	>1MΩ
13-14	1.5KΩ	568KΩ	>1MΩ
14-15	1.5KΩ	101KΩ	>1MΩ
15-16	1.5KΩ	102KΩ	>1MΩ
16-17	1.5KΩ	113KΩ	>1MΩ
17-18	1.5KΩ	467KΩ	>1MΩ
18-19	1.5KΩ	139KΩ	>1MΩ
19-20	1.5KΩ	>1MΩ	>1MΩ
20-21	1.5KΩ	151KΩ	>1MΩ
21-22	1.5KΩ	199KΩ	>1MΩ
22-23	1.5KΩ	>1MΩ	>1MΩ
23-24	1.6KΩ	>1MΩ	>1MΩ
24-25	1.7KΩ	>1MΩ	>1MΩ
25-26	1.7KΩ	>1MΩ	>1MΩ
26-27	1.7KΩ	>1MΩ	>1MΩ
27-28	1.7KΩ	>1MΩ	>1MΩ
28-29	1.7KΩ	>1MΩ	>1MΩ
29-30	1.6KΩ	>1MΩ	>1MΩ
30-31	1.6KΩ	>1MΩ	>1MΩ
31-32	1.6KΩ	>1MΩ	>1MΩ

Si-detector Inspection Record

Date: 10/01/2007 Time: ~6:00pm

Tel n.: 08 Inspected detector(s): dE(2297-8) + E(2113-5); dE removed

1st inspector: Vlad HENZL

2nd inspector: Daniela HENZLOVA

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1		~		1				1			
2	~	~		2		~		2			
3				3	~		~	3			
4				4	~	~	~	4			
5				5				5			
6				6				6	/	/	
7				7				7			
8				8				8			
9				9				9			
10				10				10		/	
11				11				11			
12				12		~		12		/	
13				13				13	/	/	/
14				14				14	/		
15				15				15	/		
16				16	~		~	16			/
17				17				17	/		
18				18				18			
19				19				19			/
20		///		20				20		/	/
21		~		21				21		/	
22		~		22				22			
23			X	23				23			
24			///	24				24			
25	X			25				25	/		
26	///	~		26				26			
27	///			27				27			
28			X	28				28			
29				29				29			
30	X		~	30				30			
31		~	~	31				31			
32	~	~	~	32				32			

Legend:

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~ = bond damaged

Overall detector status:

(e.g. dusty surface, scratches, dirty frame and/or cable, status of telescope can ...)
