

1.

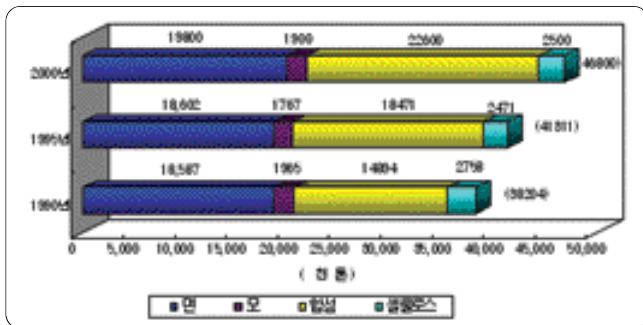
1990 38,200 2000 46,800  
 2.6% , 2005 3,000 2.0%  
 10 4.2%  
 가 . 2000  
 49% 가 share  
 가 44%  
 45%  
 (functional fiber)  
 / , ( ) , / / , ,  
 (醫料用) , , , , ,  
 ,  
 가 가  
 가 가  
 가 가  
 가 가  
 , 1 2000 7.6kg, 2010 11kg  
 2.9% 가  
 2.2

	30%	70%
	41%	59%
	31%	69%
	80%	20%

< 1. >

2.

2.1



< 1. 10 >

	가	
	65%	75%
	40%	50%
	10%	25%

< 2. 가 >

2.3

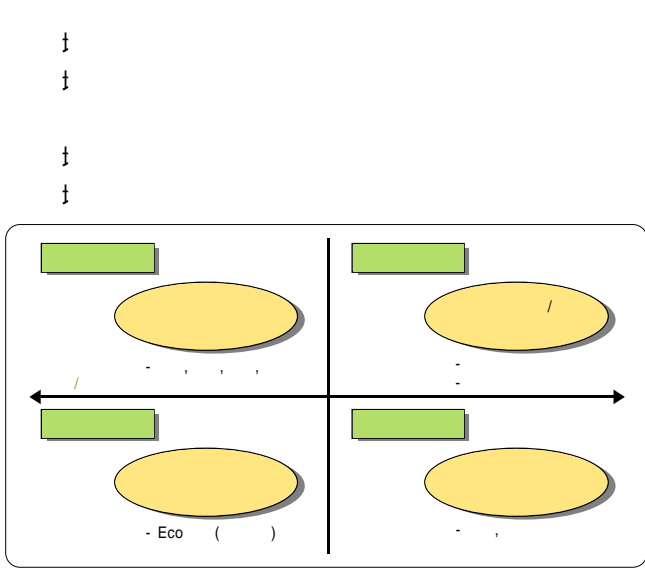
	1994	2000	2010	2020
( ,%, )	8.7, 5 ( )	9.7, 4 ( )	10.3, 4 ( )	9.8, 4 ( )
( ,%, )	6.1, 4	5.5, 5	4.3, 3	3.8, 3
( ,%, )	2.1	2.9	3.3	4.0
• ( ):	• ( ):	• ( ):	• ( ):	• ( ):
• : ,	• : ,	• : ,	• : ,	• : ,
• : ,	• : ,	• : ,	• : ,	• : ,
• : 가	• : 가	• : 가	• : 가	• : 가

< 3. >  
 11.9%, 8.3% >  
 15.2%, 5.5%

가 16 6 가  
 19 9 가

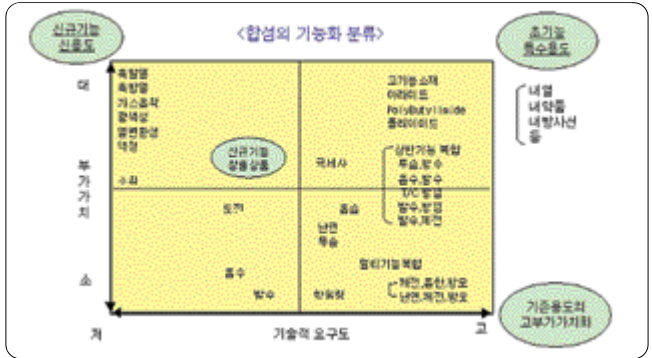
80% (85%) (70%), (65%)  
 •가 • 60%, 50%  
 , 가 , 2010

2.4



< 2. >

기술의 융합



< 3. >

2.5

Intelligent , Biometric 가



가, , , •4가 , .

가 , 가 •

가 : 가 , /

† 가

† 가

† , 가 •

† 가 .

(Amenity) 가

† , 가

† , , 가

† , , 가

† , , 가

† , 가

† , 가

† 가 ( , )

† 가

2.

가 , , 가

가 가

가 .

가 , 가

. 가

가

data

†	1976.01.01 ~ 2004.06.30( )
†	1976.01.01 ~ 2004.02.26( )

Kipris(Korea Industrial Property Rights Information Service)

1.

가

3.

가	(electromagnet, electro-magnet, magnet, electromagnet, electro-magnet, magnet)+d01
	(d01, d02, d03, d04, d06)+d01
	(d01, d02, d03, d04, d06)
	(electromagnet, electro-magnet, magnet, electromagnet, electro-magnet, magnet)+d01
	(antibactericidal or antifungal or antimicrobial or Antimycotic)@ti and (d01, d02, d03, d04, d06)
	(farinfrared or far-infrared or (far<near/1>infrared)) and d01
	(anionic or (negative<near/1>ion) or negative-ion or (minus<near/1>ion) or minus-ion)@ab and (emit or radiate or emit or emanate or release or discharge or exhaust) and d01

< 4. >

1990 2003 14

(1)	184	181	84
	524	368	154
	365	314	237
	753	646	480
	238	203	160
	301	187	113
	188	152	26
	139	65	65

< 5. >

1.

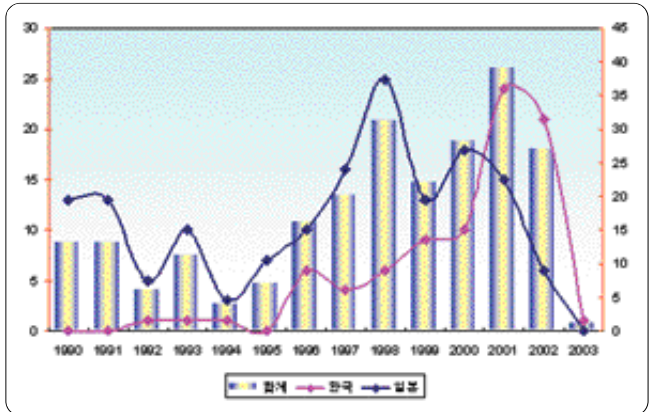
1990 2003 12 14

) (1 6 가 , 2002 가 가 2002 가 가 가 2002 가

2002

2.

2.1



< 5. >

1995 가 96 가 99 가 2000 가 2001 가 2002 가

2002 가 가 2001 , 2002

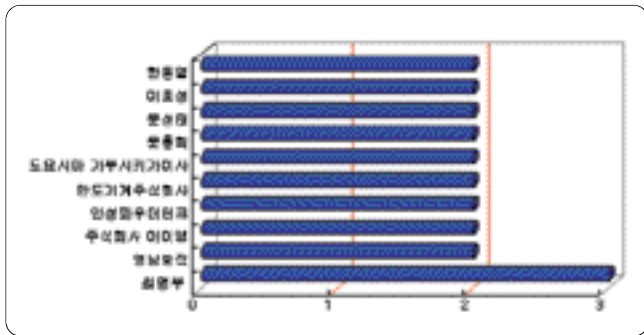
92 - 94 가 95

98 가

가

1995  
1996  
2001  
2000  
2001  
95  
2000

2.2



< 6. >

88%

10

2

11

23

103 ( 22% )

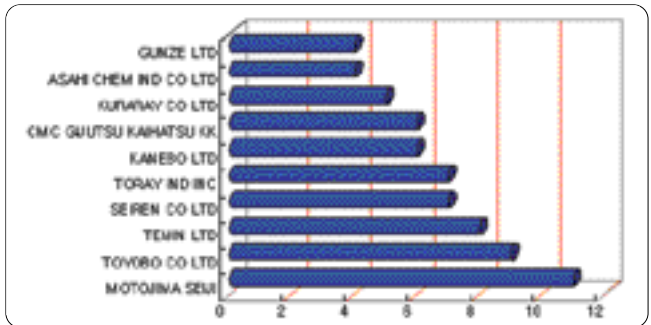
가

2

가 3

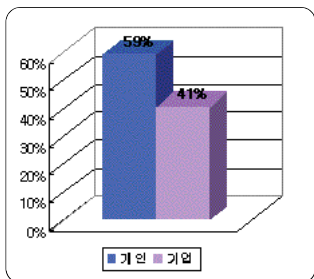
가

23

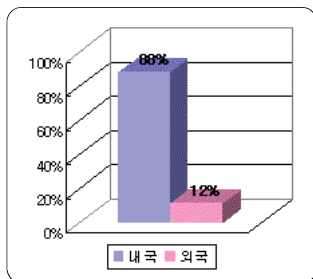


< 8. >

가



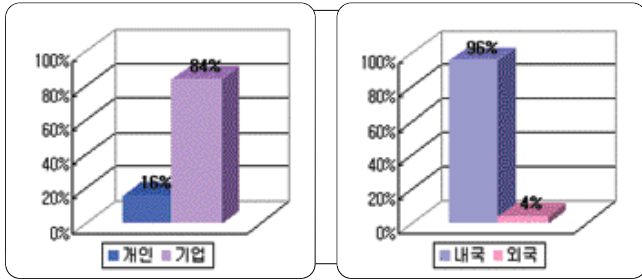
< 7. >



/ , / >

가

( )



< 9. / , / >

/ /

/

가

/ 96% 4%

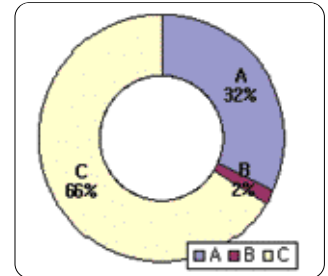
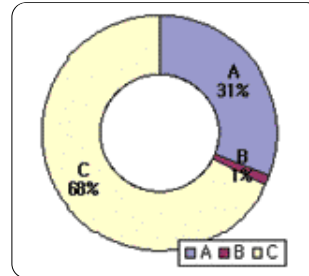
2.3

:		A
		B
		C
:		OO
		PP
	( , )	QQ
		RR

< 6. >

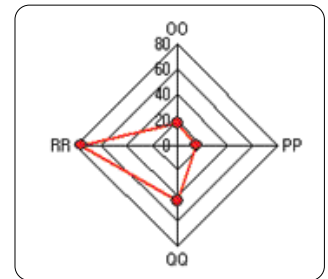
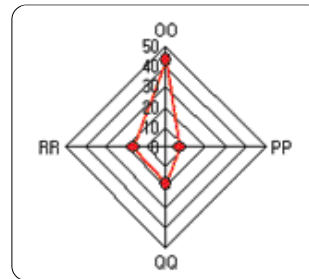
(A) 가

(C) A ,



< 10. >

2/3

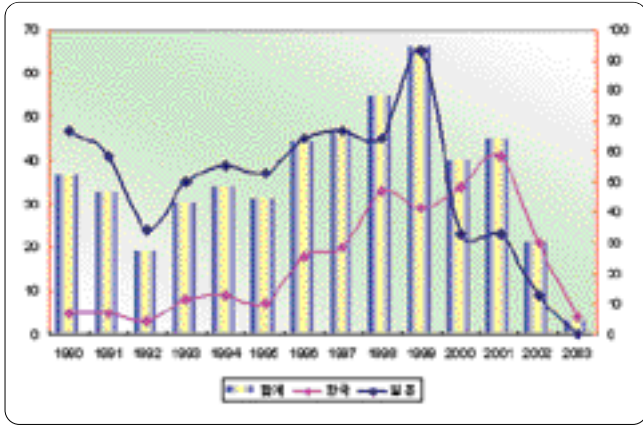


< 11. >

가 (OO) 가 (RR) 가 , (QQ) (RR) ( ) (OO)가 , (RR)

3.

3.1



< 12. >

가

90

가

2000

90

92

1999

2000

95

가

가

가

95

2001

가

가

237 , 480

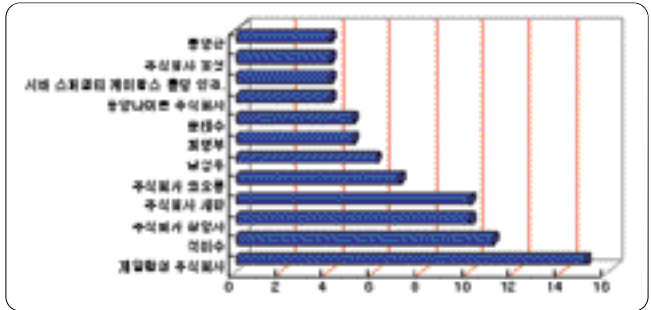
,2000

가

가

2000

3.2

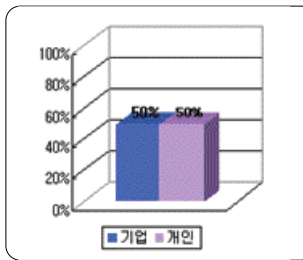


< 13. >

12

가 15

1



< 14. >



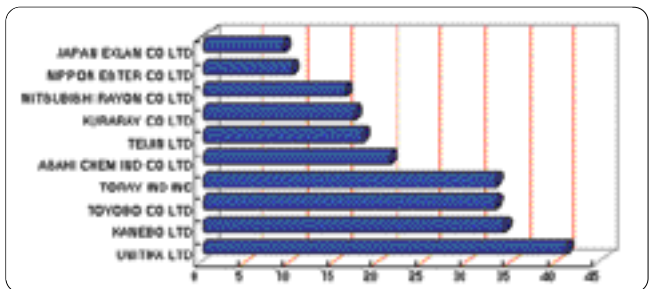
/ , / >

/ /

/

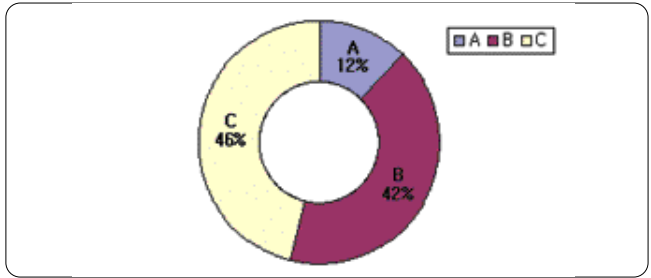
가 50:50

90%

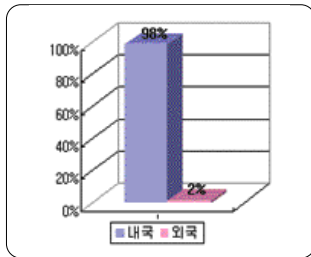
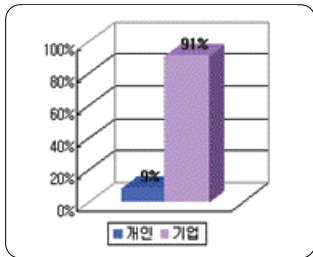


< 15. >

41 10 10 가  
 10 10 가  
 10 10 가  
 . Unitica가

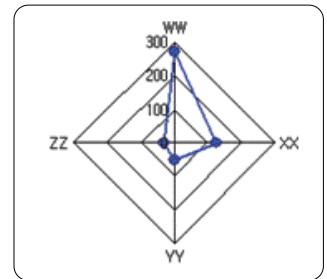
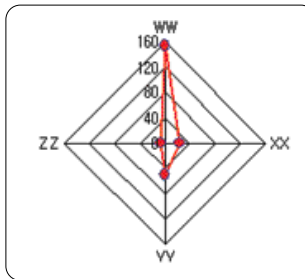


< 17. >



< 16. / , / >

가  
 42%



< 18. >

3.3

가  
 가

가

		A
:		B
		C
:		WW
		XX
		YY
		ZZ

< 7. >

(WW)가 가  
 (WW)  
 (XX)

(WW)  
 (XX) 4  
 4 (YY)

가

(Z)

가

(

)



	34		2		1
	30		2		1
	13		2		1
	13		2		1
	10		2		1
	9		2		1
	8		2		1
	8		2		1
	8		1		1
	6		1		1
	6		1		1
	6		1		1
	5		1		1
	5		1	( )	1
	5		1		1
	4		1		1
	4		1		1
	4		1		1
	3		1		1
	2				

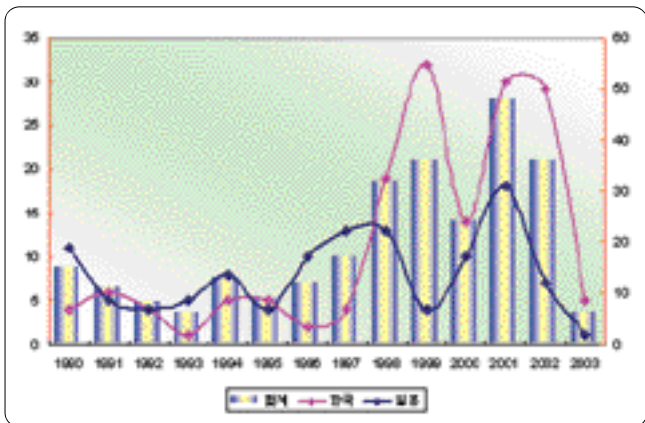
< 8. ( ) >

가

가 가 가  
가 ( , , , )  
가

4.

4.1



< 19. >

1990

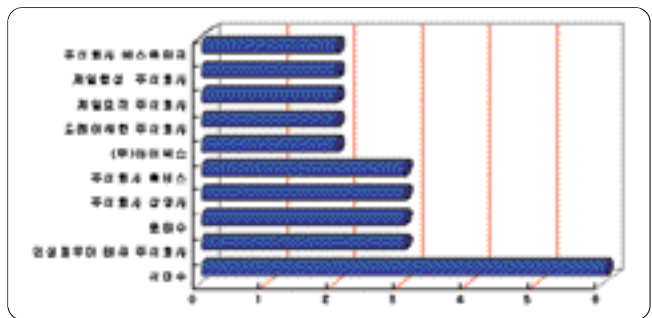
2000

1998

1998  
. 2000

가

4.2

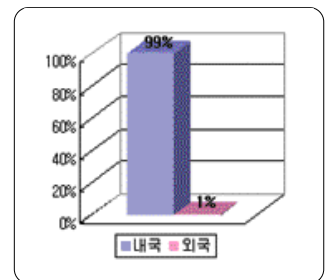
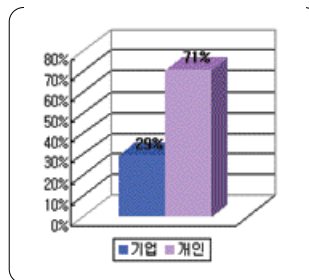


< 20. >

10

가

1 , 1 3



< 21. / , / >

/

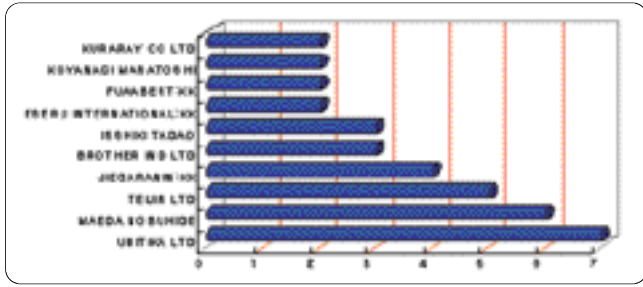
/

10

8 가

10  
가

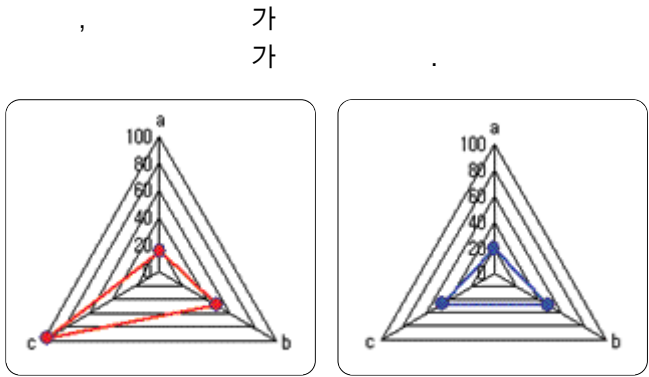
1%



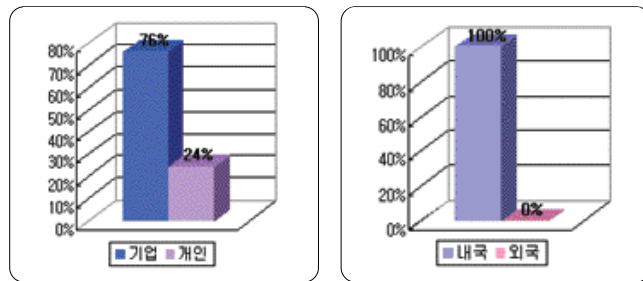
< 22. >

10

. Unitica가 1 2 6 9



< 24. >



< 23. / , / >

/ /

1

4.3

		A
		B
		C

< 9. >

가

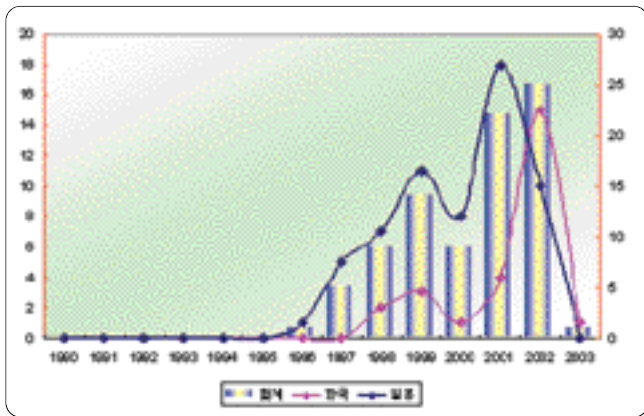
	28	2	1	4	1
	19	2	1	3	1
	16	2	1	3	1
	16	2	( ) 1	3	1
	15	2	1	2	1
	10	2	1	2	1
	10	2	2	2	1
	9	2	1	2	1
	8	2	1	2	1
	8 가	1	1	1	1
	8	1	1	1	1
	8	1	1	1	1
	7	1	1	1	1
	7	1	1	1	1
	6	1	1	1	
	6	1	1		
	5	1	1		
	4	1	가 1		
	3	1	1		
	2	1	1		
	2	1	1		
	2	1	1		
	2	1	1		

< 10. ( ) >

1, 2, 가 가 2, .( ) 1

5.

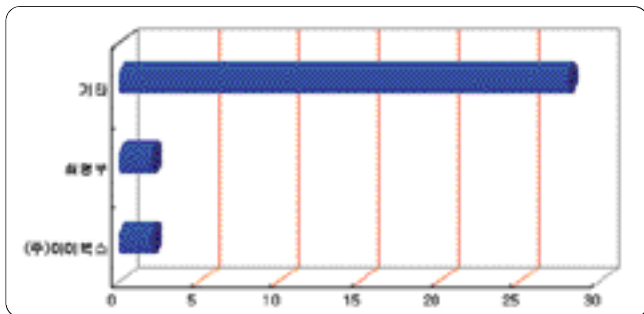
5.1



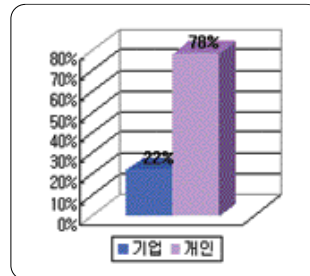
< 20. >

95 가 가 , 1990 가 가 가 2001

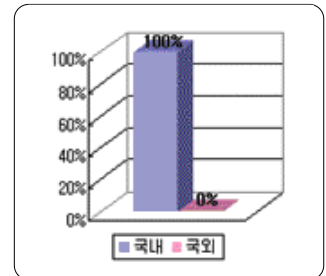
5.2



< 26. >

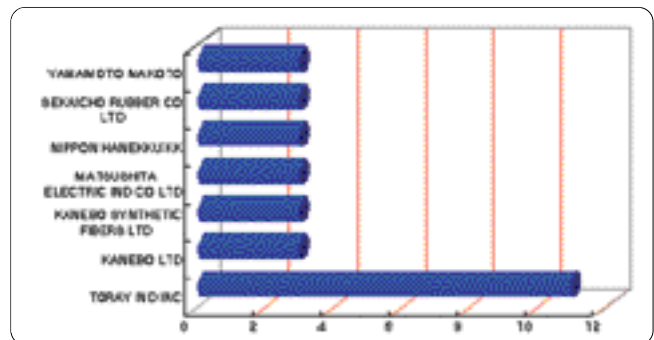


< 27. >



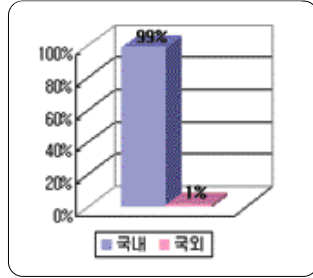
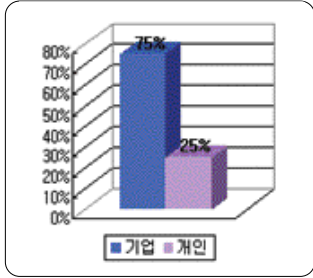
/ / >

가



< 28. >

가 , Toray가 11 7 7



< 29. / , / >

/ /

가

, /

1%

5.3

가 3

.3가

(a),

(b),

(c) 3가

	7	1	29		1
	7	1	6		1
	2	1	6		1
	3	1	4		1
	3	1	4		1
	2	1	3		1
	2	1	2		1
	1	1	2		1
	1	1	2		1
	1	1	2		1
	1	1	1		1
	2	1	1		1

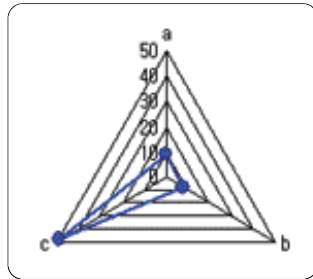
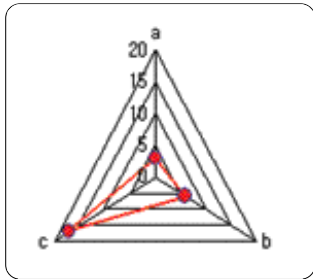
< 11. ( ) >

1 2

1

가

4가



< 30. >

4가

90

2000

가

(d) 가

가 26 , 65

가 가

가 가

가

가

가 가가

가

1

가

가

가

가

가

가

가

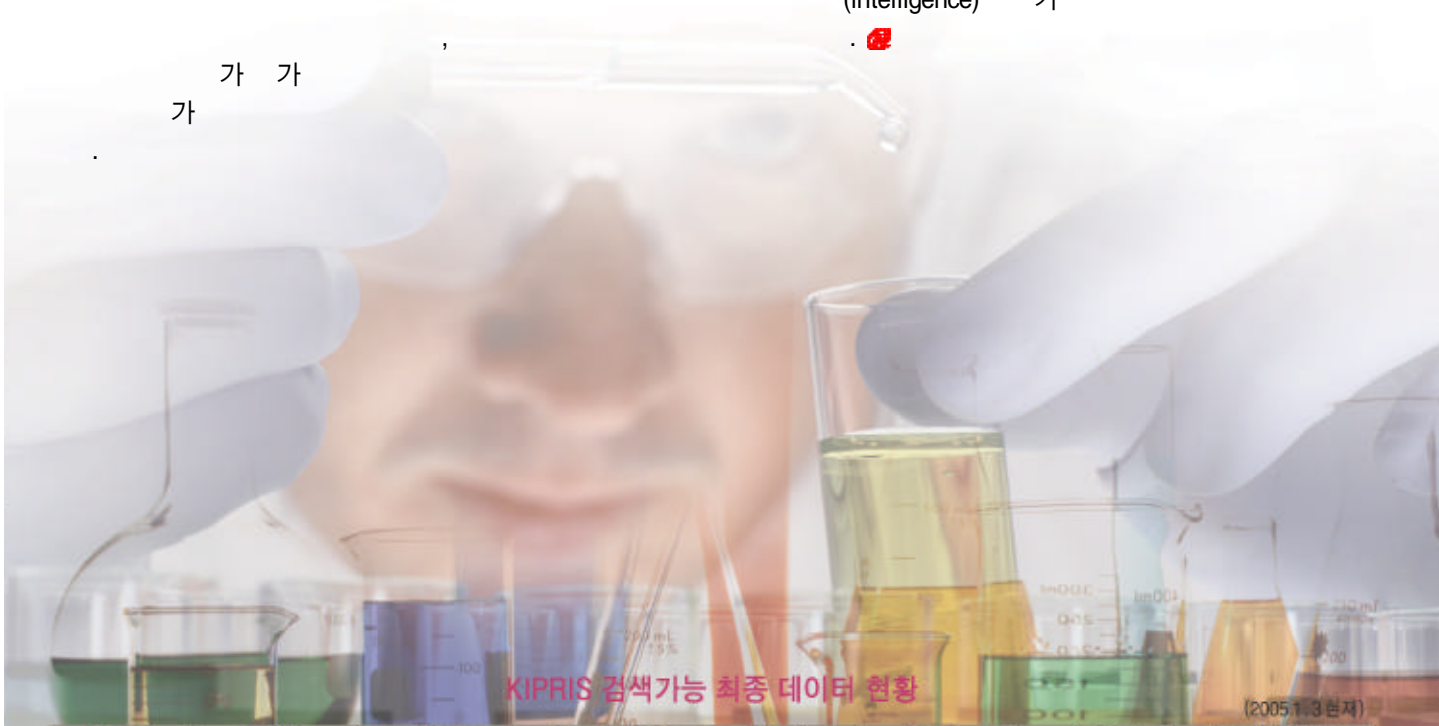
가

가

(intelligence) 가

가 가

가



KIPRIS 검색가능 최종 데이터 현황

(2005.1.3 현재)

구 분	종 류	기 준 일	정보제공범위	구 분	종 류	기 준 일	정보제공범위
특 허 / 실 용	공개서지	공 개 일	2004. 12. 31	의 장	등 록	공 고 일	2004. 12. 31
	공고서지	공 고 일	2004. 12. 31		공개(조기)	공 개 일	2004. 12. 31
	초 록	공 보 일	2004. 12. 31	심 판	1심 ~ 3심	청 구 일	2004. 12. 31
	전문이미지	공 보 일	2004. 12. 31	4권리	등 록	등 록 일	2004. 12. 31
상 표	서지/이미지	방식심사일	2004. 12. 31	4권리	중간처리	서류접수일	2004. 12. 31
특 허	생명공학	출 원 일	1980 ~ 2002	특 허	KPA	등록·공고	1979.1 ~ 2003. 6
						특허공개	2000.1 ~ 2004. 6