

<2>

John Hagedoorn

Professor, MERIT, Netherland

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() 가

(pattern)

가가

가

가

1980

1994

MERIT-CATI

가

'70 '80

joint ventures,

가

가

가

가 . 가 가 가

. '80

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가

가

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가

가

가

(win-win)

가

. 1980

(research corporation)

가

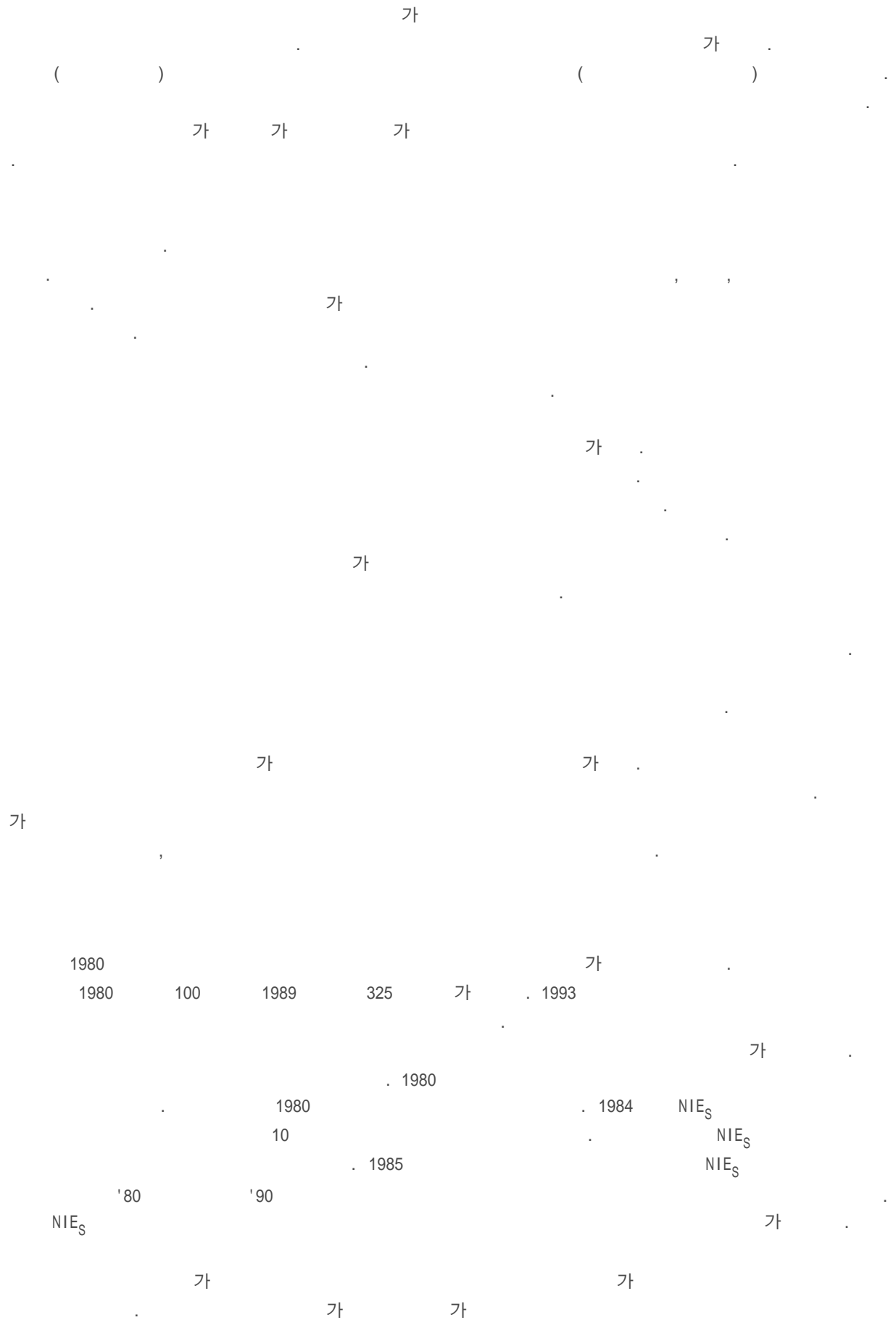
(equity agreements)

가

가

가

가



가 EU 가
 . Duyster Hagedoorn

< 1> R&D orientation of international strategic technology alliances. 1980 1994

	'80~'84	'85~89	'90~'94	Three Periods
Intra Triad R&D	54%	58%	85%	66%
Product/Market	46%	43%	16%	35%
Triad-NIEs R&D	24%	27%	72%	41%
Product/Market	76%	73%	29%	59%
Triad-SK R&D	17%	27%	85%	43%
Product/Market	83%	73%	15%	57%

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< 1>

가

1>

가

가

'90 가

가 NIE_S
)

NIE_S (가

NIE_S

'90 가 NIE_S

가 1990 1994

56%
1985 1989

12.3%,

7%

(low technology)

43%

1980 1984

76%

1990 1994

84%

가

가

1990 1994

78%

1980 1984

가

< 1>

가

가가 13%

NIE_S

1990

가

NIE_S

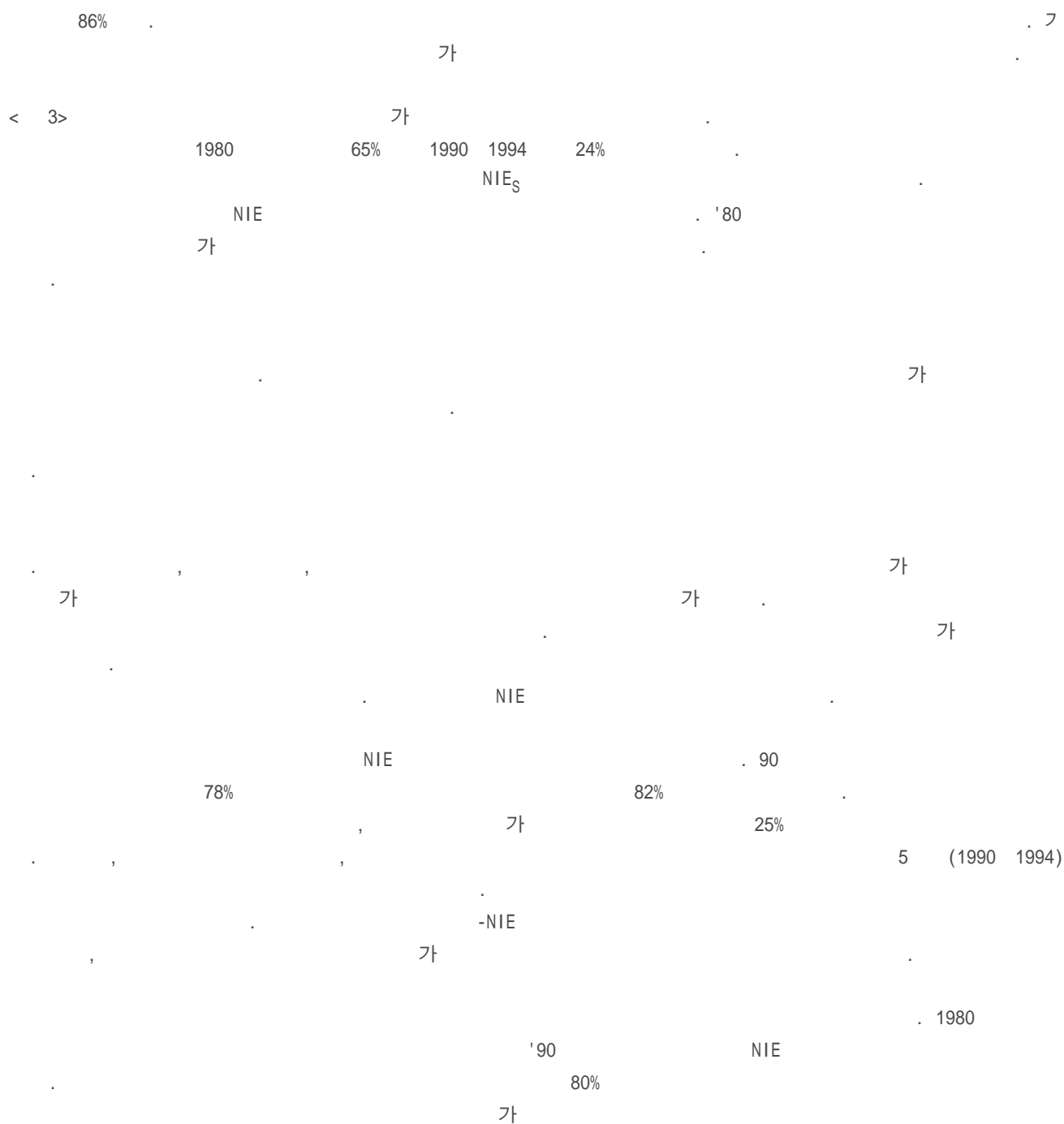
3

1/4

12.3%

14%

가



< 2> Sectoral division of newly established international strategic technology alliances

	Intra Triad '80-'84	'85-'89	'90-'94	Triad- NIE '80-'84	'85-'89	'90-'94	Triad- SK '80-'84	'85-'89	'90-'94
Biotech	15.1%	17.5%	17.9%	4.0%	4.5%	12.3%	4.5%	0.0%	3.4%
Other IT	2.4%	3.6%	0.5%	4.0%	0.0%	0.0%	4.5%	0.0%	0.0%
Computers	5.6	5.3	6.8	4.0	4.5	14.0	4.5	3.8	24.1
Micro-Elec	16.9	9.0	12.6	40.0	9.1	26.3	40.9	3.8	44.8
Software	3.5	9.6	11.2	4.0	4.5	12.3	4.5	3.8	10.3
Telecom	7.6	11.4	11.8	8.0	9.1	3.5	9.1	3.8	0.0
New Mat.	7.9	10.0	8.1	12.0	11.4	7.0	13.6	15.4	0.0
Aero-space	5.8	5.2	9.4	0.0	0.0	7.0	0.0	0.0	3.4
Auto-motive	4.6	7.1	2.0	12.0	18.2	5.3	9.1	23.1	10.3
Chemicals	9.6	7.9	9.8	0.0	18.2	7.0	0.0	23.1	0.0
Foods	0.8	0.5	1.0	0.0	4.5	0.0	0.0	3.8	0.0
Ind. Aut.	7.9	5.9	4.0	8.0	9.1	1.8	4.5	11.5	0.0
Cons. Elec	2.6	1.4	1.7	4.0	6.8	1.8	4.5	7.7	3.4
Elec. Mach	3.0	1.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Inst/Medic	3.0	2.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Engin.	2.4	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Explor	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

< 3> Organizational modes of international strategic alliance partnering. 1980-1994

	'80~'84	'85~89	'90~'94	Three Periods
Intra Triad Equity	35%	39%	24%	33%
Non-equity	65%	61%	76%	67%
Triad-NIEs Equity	47%	88%	35%	57%
Non-equity	53%	12%	65%	43%
Triad-SK Equity	41%	88%	19%	50%
Non-equity	59%	12%	81%	50%