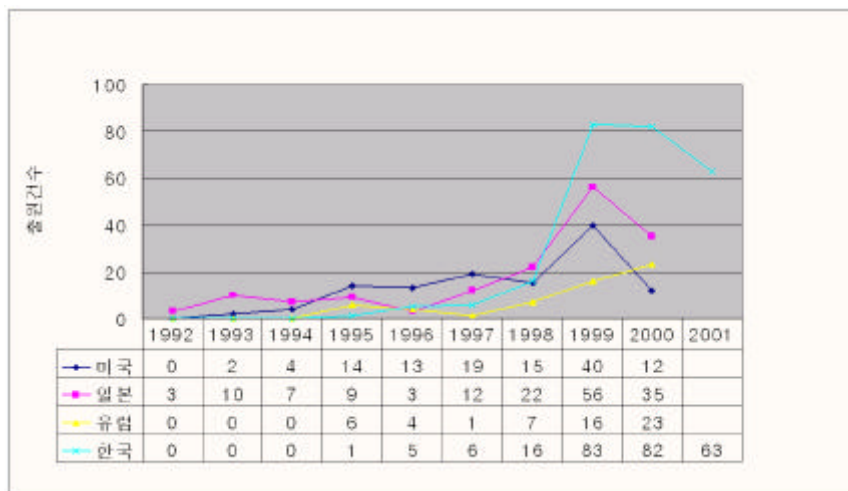


가

1992 NEC ... 2005 3

1999-2000 1991 1992 NEC 가 , 2001 가 가 가
 . , , 2 , ,
 가 2005 3 3000 .
 가
 ,
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 1 30nm
 1 가 3
 ,
 100 .



† : 2000

†† : 2001

1960 (R. Bacon) , 1992 (NEC) Iijima 가
 60 가 Fullerene .
 1998 Ren

가 .

(single-walled nanotube : SWNT)
 (multi-walled nanotube : MWNT) , (roped nanotube)가