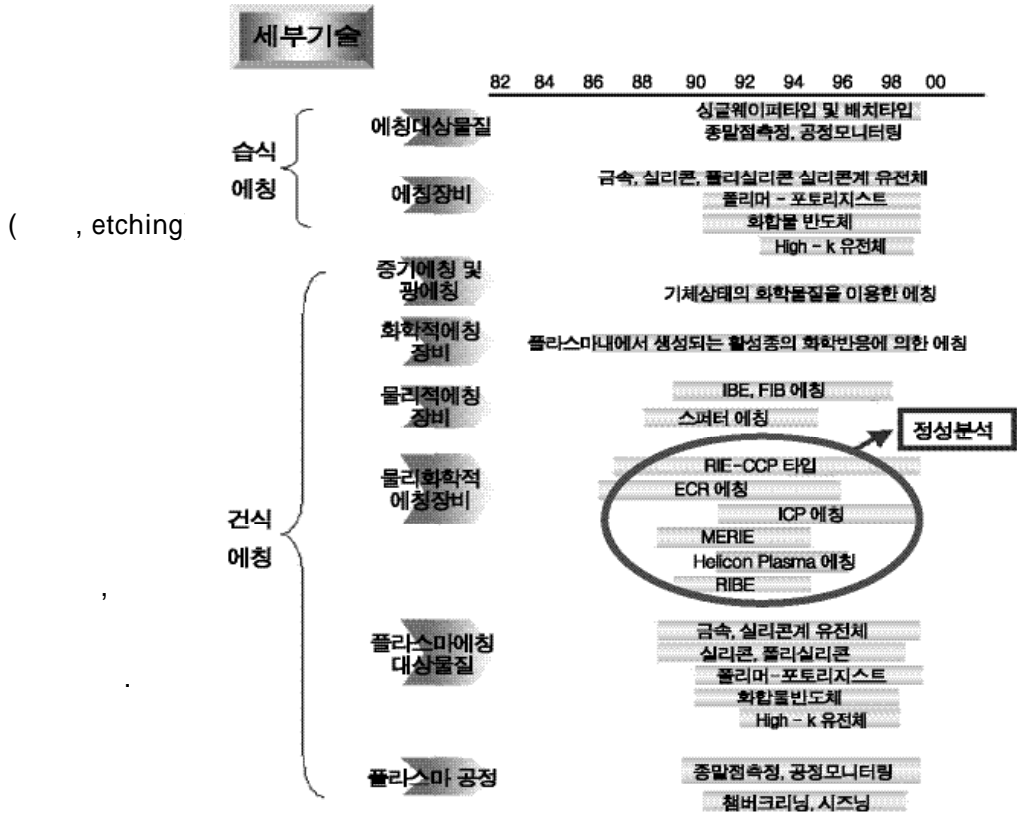
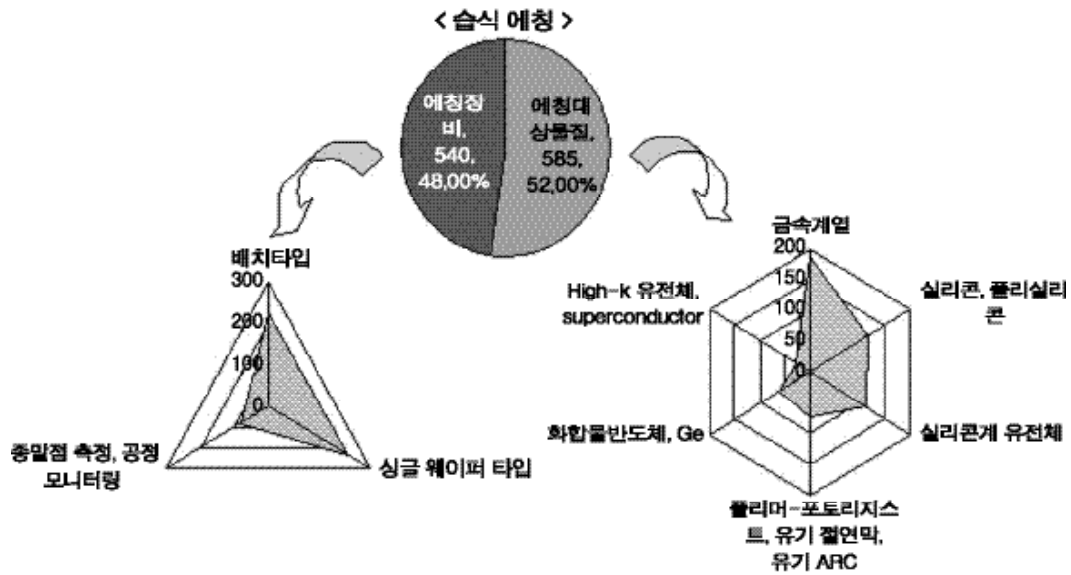


, High-k Super-conductor, Ge, [2] ()

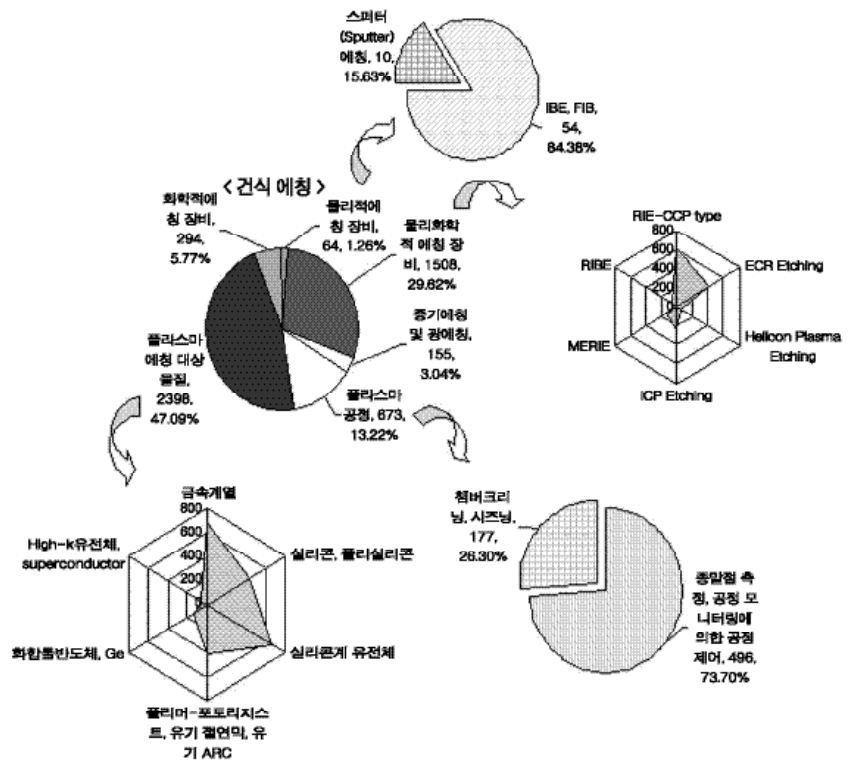


[1]



[2]

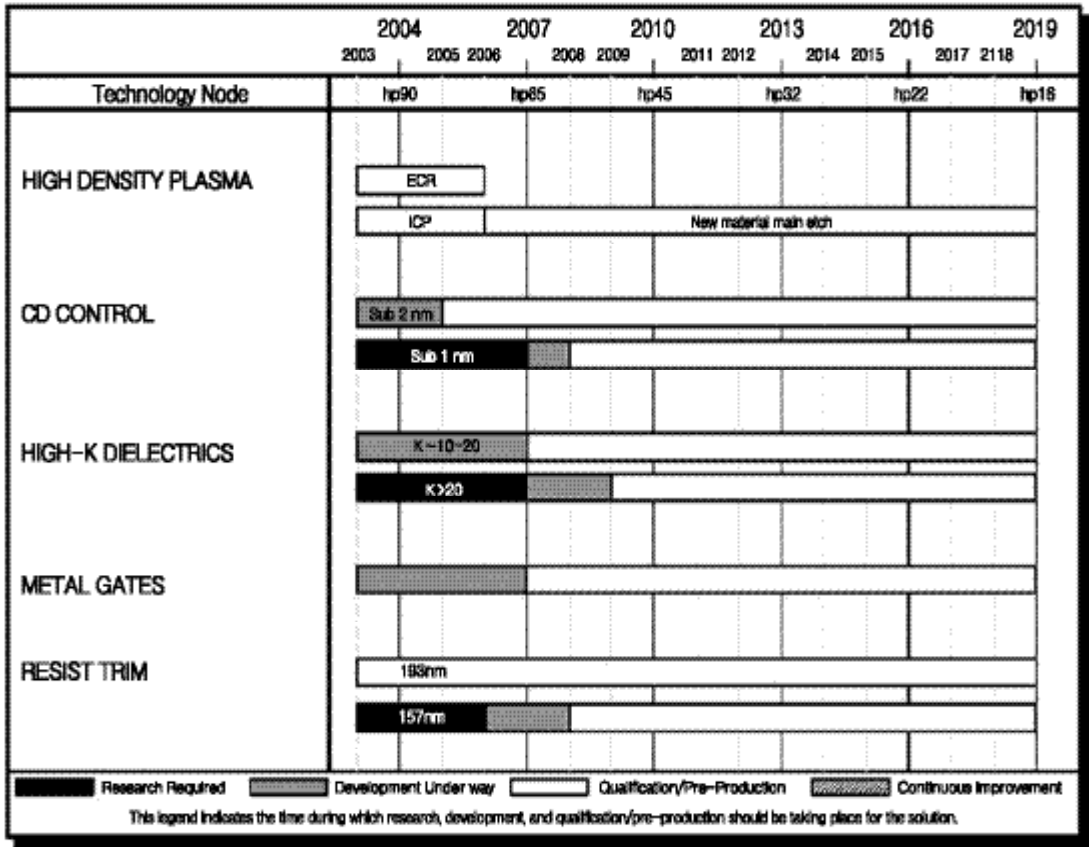
()



[3]

()

[4] Front End Process



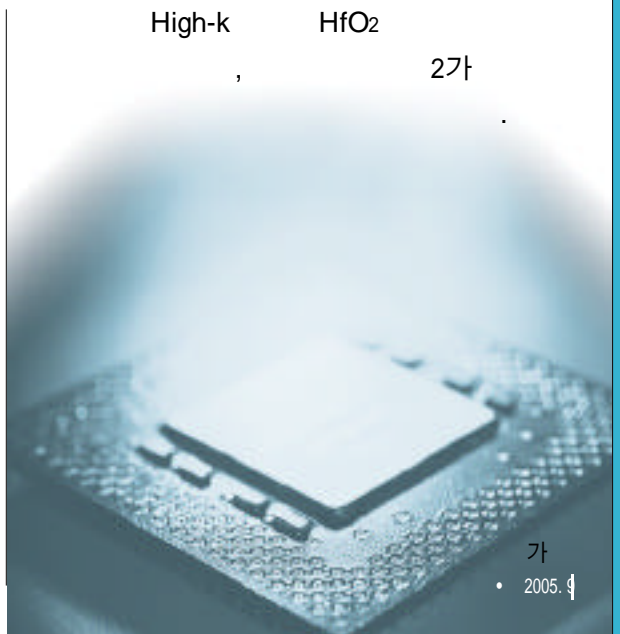
[3]

High-k HfO₂

2가

[4] Front End Process

SiO₂ 가 1.3nm
 가 (tunneling)
 (leakage current)가
 . 2006 (low
 stand-by power) SiO₂



가
 . 2005. 4