

EU PFCs : I. PFCs

PFCs¹⁾ 가
 2) 가
 - I 가 1995 2008 2012
 5.2%
 - 가 PFCs 가
 • , , 2010 1995 10%
 1997 10% 2010

蝕刻 PFCs

- Na_3AlF_6 Al_2O_3 1
 가 CF_4 , C_2F_6 ,
 C_3F_8 PFCs
 - PFCs, HFCs, SF_6 , NF_3
 3) (dry etching)
 PFCs
 • 70%가
 30%가
 - , 1990 PFCs
 2010 2,400
 60.3% (1)

1) PFCs (Perfluorocarbons;) CF_4 , C_2F_6 , C_4F_{10} , C_6F_{14}
 2) CO_2 (), CH_4 (), N_2O (), HFCs(), PFCs(), SF_6
 (6) 가 가
 3) silicone silicon dioxide

< 1 > PFCs

	1990	1995	2010
	83.8	65.9	27.1
, ,	14.0	21.6	12.6
	2.2	12.5	60.3

: , 2000,

PFCs 4)가 가

- PFCs HCFCs, SF₆
2,000 50,000
가 CFCs⁵⁾ HCFCs (2)
- PFCs CFCs, HCFCs, HFCs, SF₆
1980 1990
25% 가

< 2 > PFCs

CF ₄	C ₂ F ₆	C ₄ F ₁₀	C ₆ F ₁₄
6,500	9,200	7,000	7,400

: IPCC, 1996

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4) (Global Warming Potential)

1

가 6,500 6,500

5) CFCs HCFCs
1980