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Patent data for CCS technology									
Patent data									
 This study collected patent data especially for patent applications because the purpose of this study is to analyze CCS technological competitiveness for each country, not intellectual property right 									
Science Library(NDSL)									
Country	Keywords	# of patents	Period						
United States	- Carbon dioxide capture	463							
Japan	- Carbon dioxide capturing	28	*						
EU	- CO2 capture	190	Aug.1995						
WIPO	- Capturing of CO2	340	- Jul 2015						
Korea	 Collected form Korean government reports and Korea Carbon Capture & Sequestration R&D Center(KCRC) 	270	16						

	Data	
Subject of analys	Analysis method	Possible
Solar cell		
Wind	Competitive relationships among energy sources	0
Fuel cell	(Forecasting demand by using competitive diffusion model)	0
Water power		Х
Ocean	These energy sources are decided by government long-term	Х
IGCC	pian	Х
Bio	Forecast demand by reflecting intention of power generation	Х
Waste	companies	Х
Geothermal		Х
Solar heat	A slim chance of success in Korea	Х
Thermal power + CCS	Forecast demand based on national roadmap and competitive diffusion model	0

CCS and Rer • Generation	Data CCS and Renewable energy • Generation cost of each energy source									
					(Unit: KRW/kwh)				
Year	5	Solar cell	Wind	Fuel cell	Bituminous coal	Anthracite coal				
2009		498.38	105.15	314.98	60.23	109.1				
2010		463.37	103.04	308.81	60.79	110.05				
2011		396	100.98	302.75	67.13	98.55				
2012		328	-	-	66.25	103.79				
2013		300	-	-	58.84	91.65				
						18				























