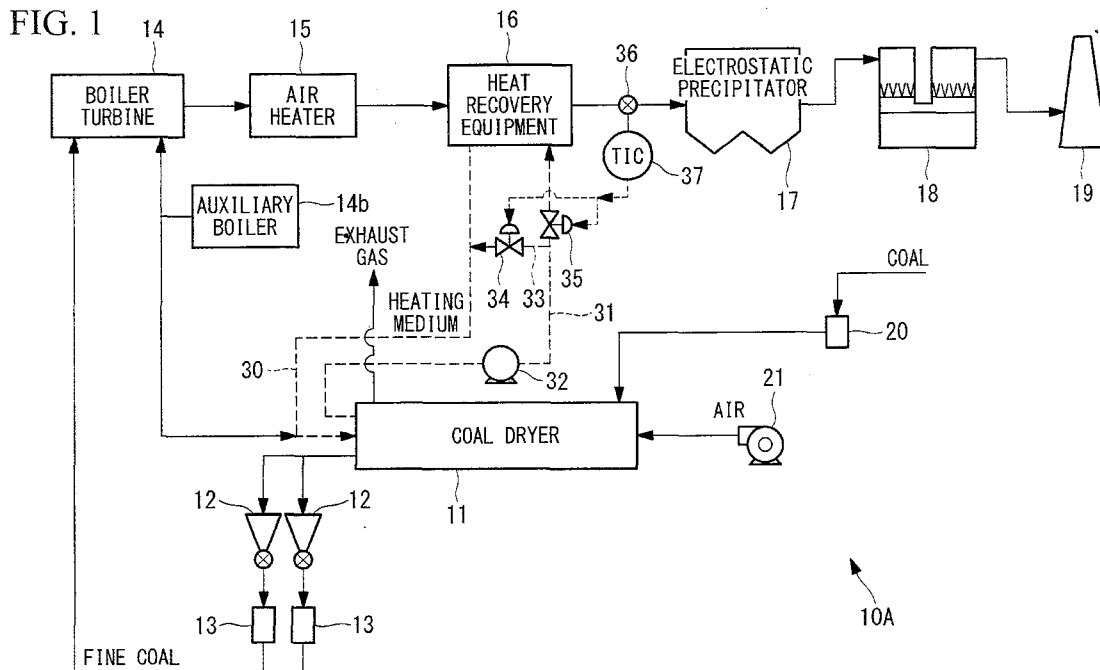


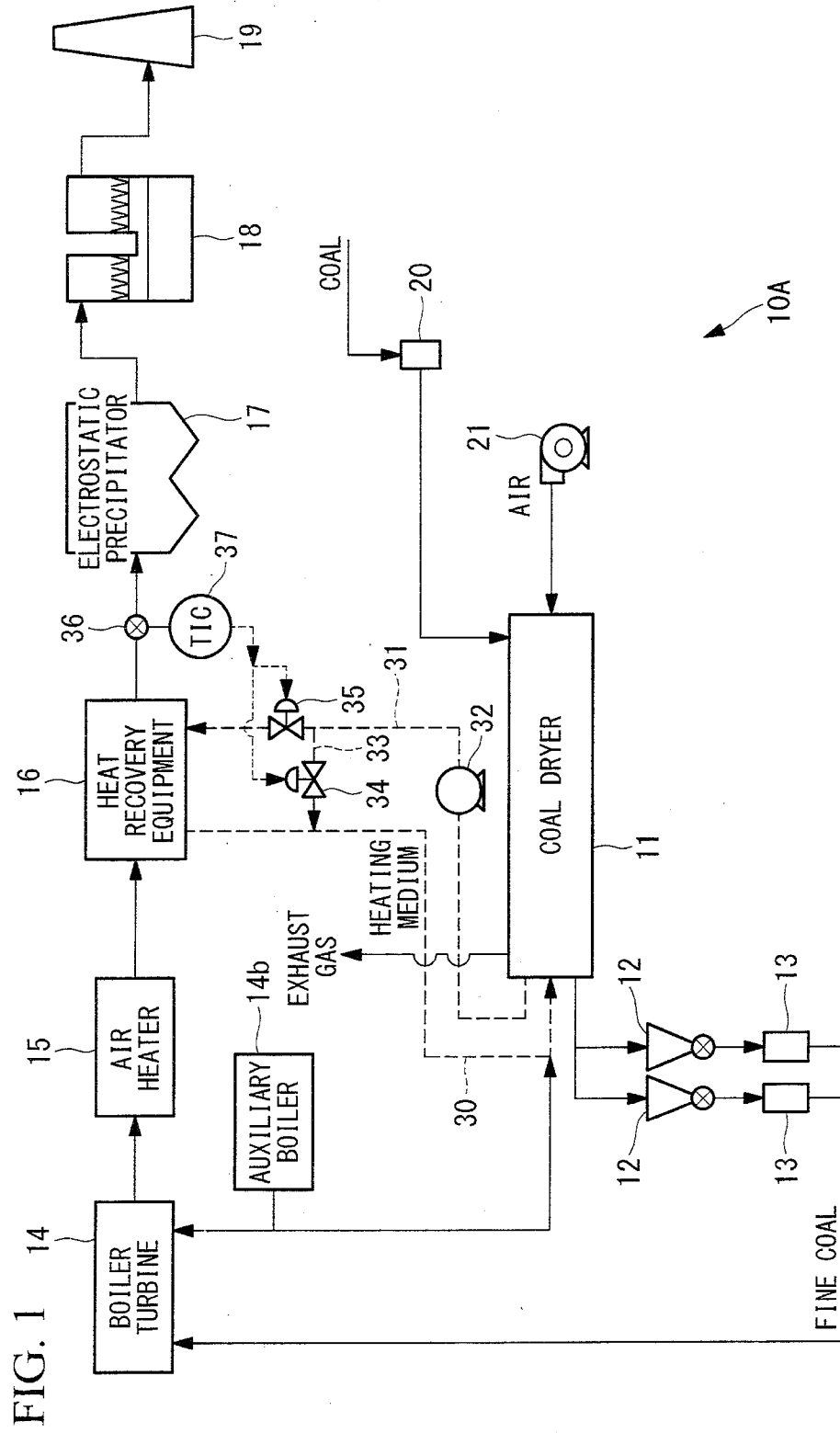
Abstract

COAL-FIRED BOILER FACILITIES AND COAL DRYING METHOD IN COAL-FIRED BOILER FACILITIES

This coal-fired boiler facility comprises: a coal dryer (11) for drying coal; a boiler (14) for burning coal, dried with the coal dryer (11), mixed with air for burning; an air heater (15) for heating, with the flue gas discharged from the boiler (14), air for burning that is supplied to the boiler (14); a dust collector (17) for collecting dust contained in the flue gas; a desulfurization device (18) for performing desulfurization treatment on the flue gas; and a heat recovery device (16) for heating a heating medium with the flue gas. The coal dryer (11) dries the coal using the thermal energy of the heating medium heated with the heat recovery device (16).

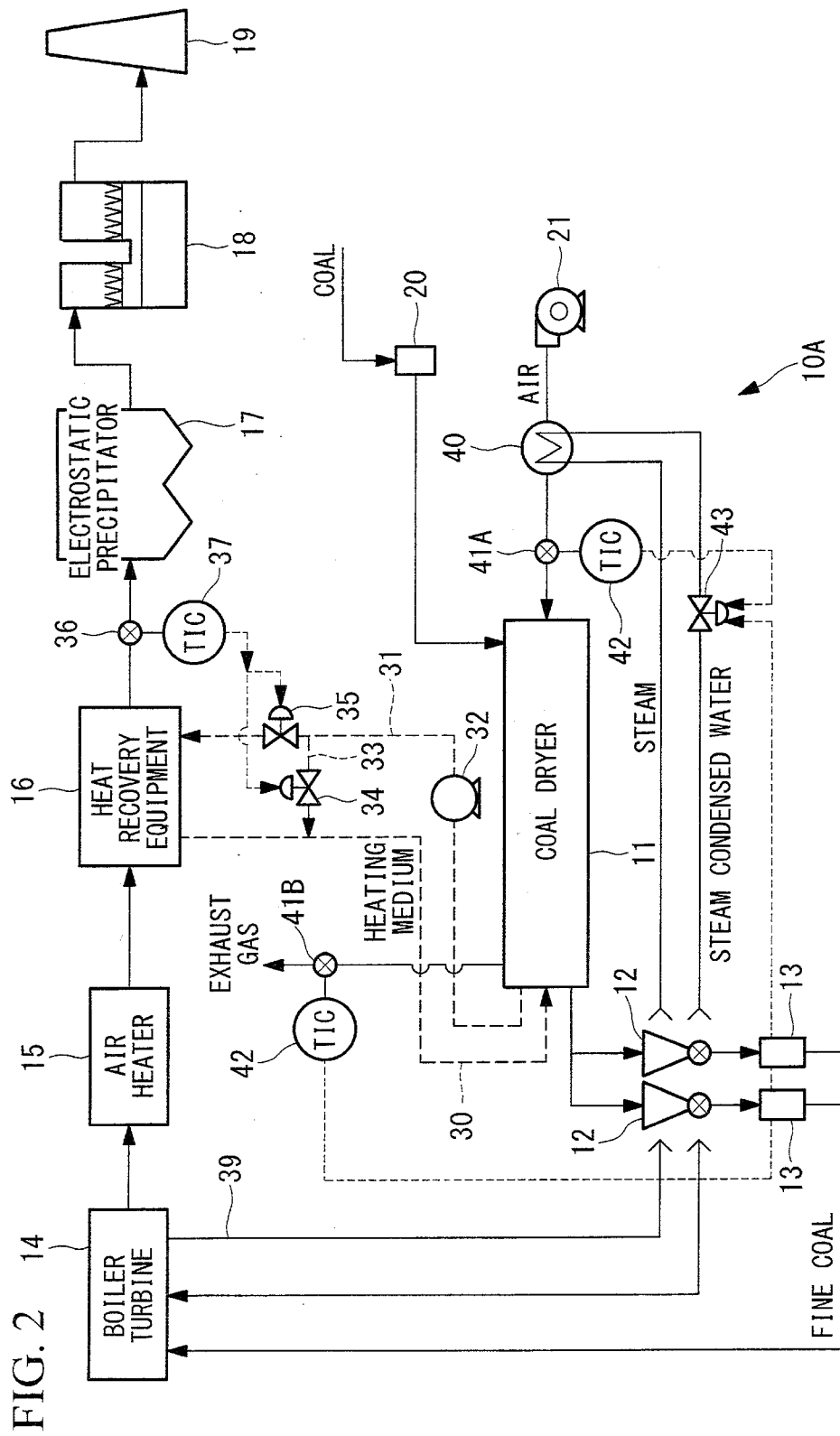
Fig. 1

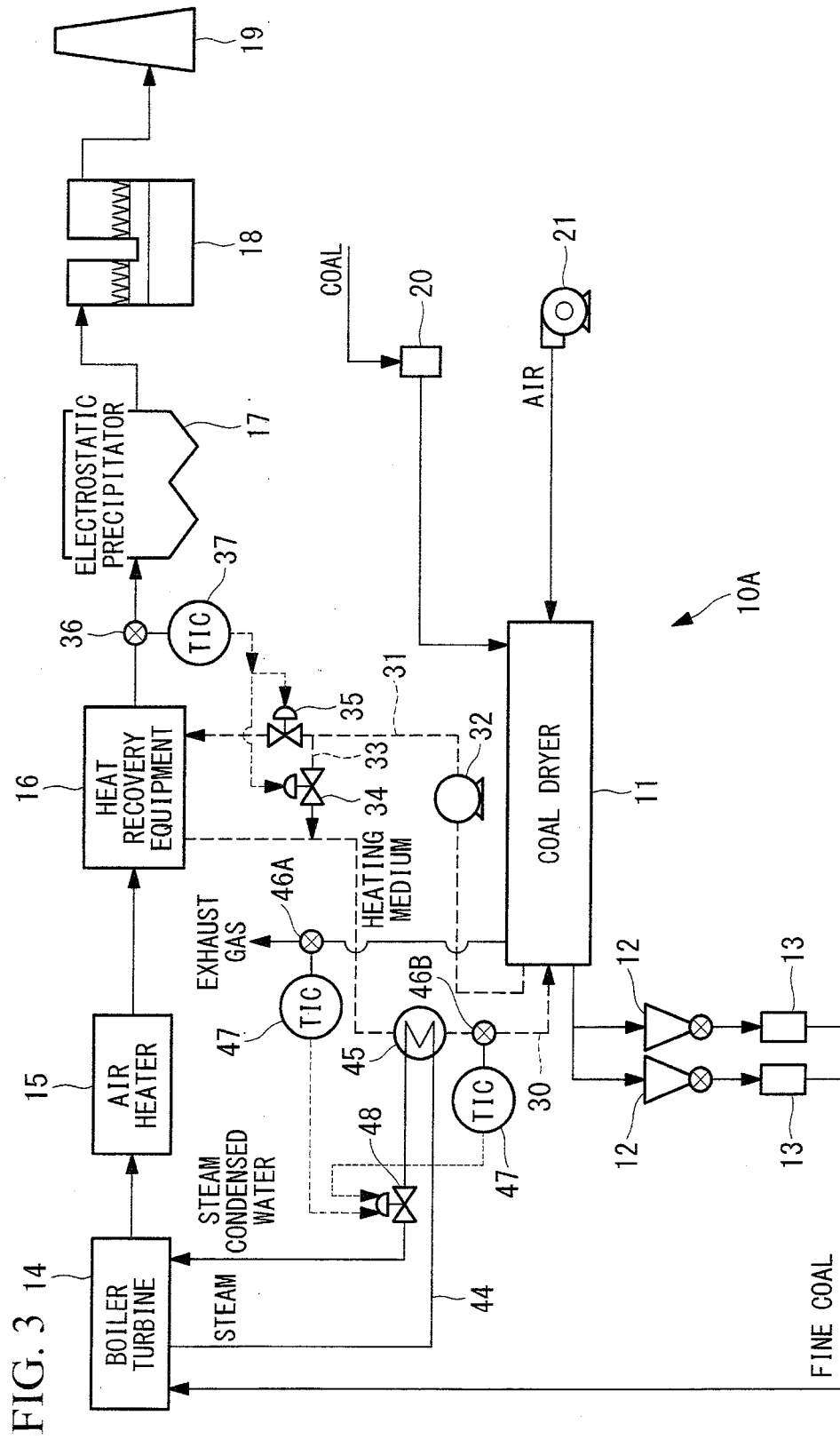




Aparna Kareer

APARNA KAREER
OBHAN & ASSOCIATES
AGENT FOR THE APPLICANTS





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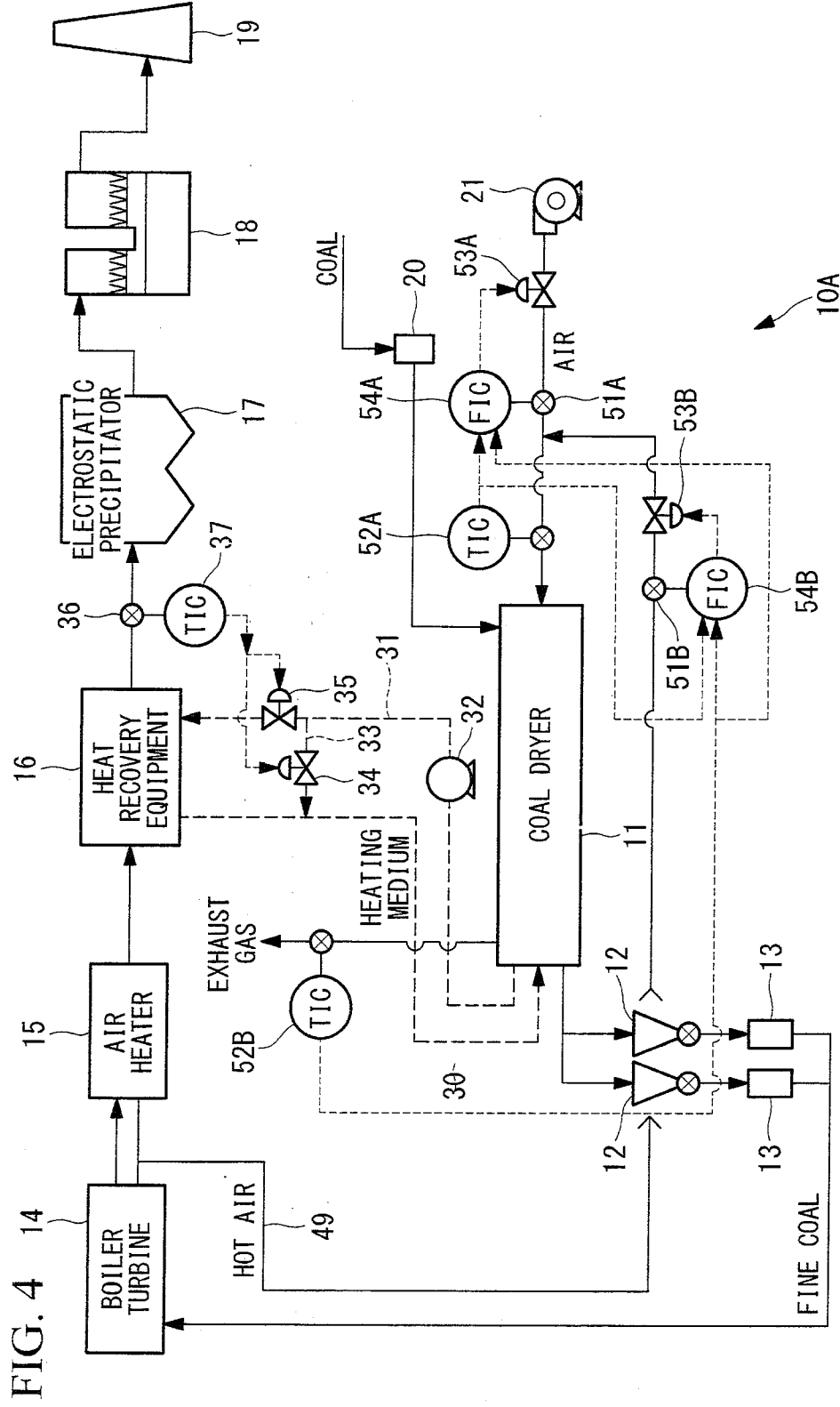


FIG. 6

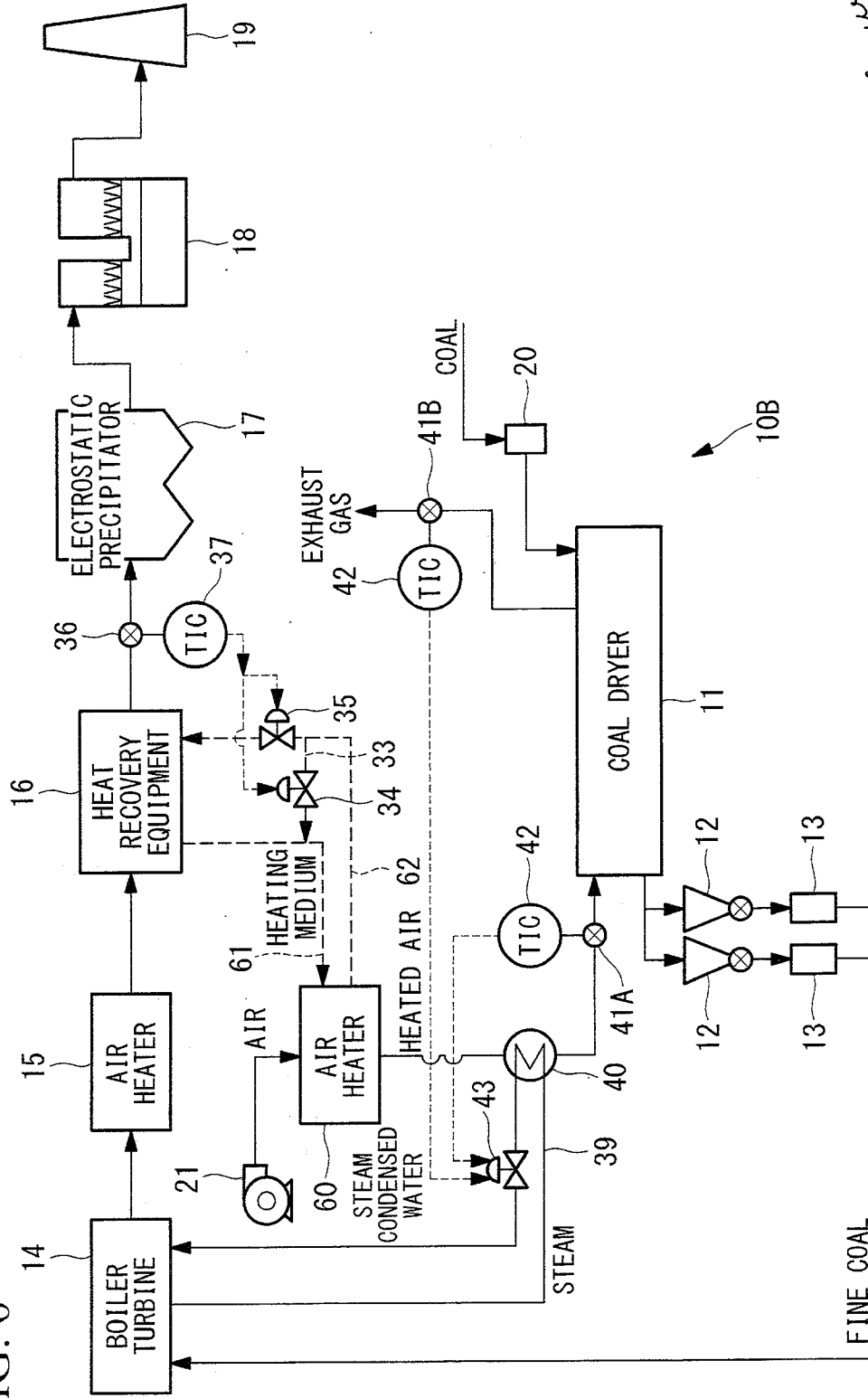
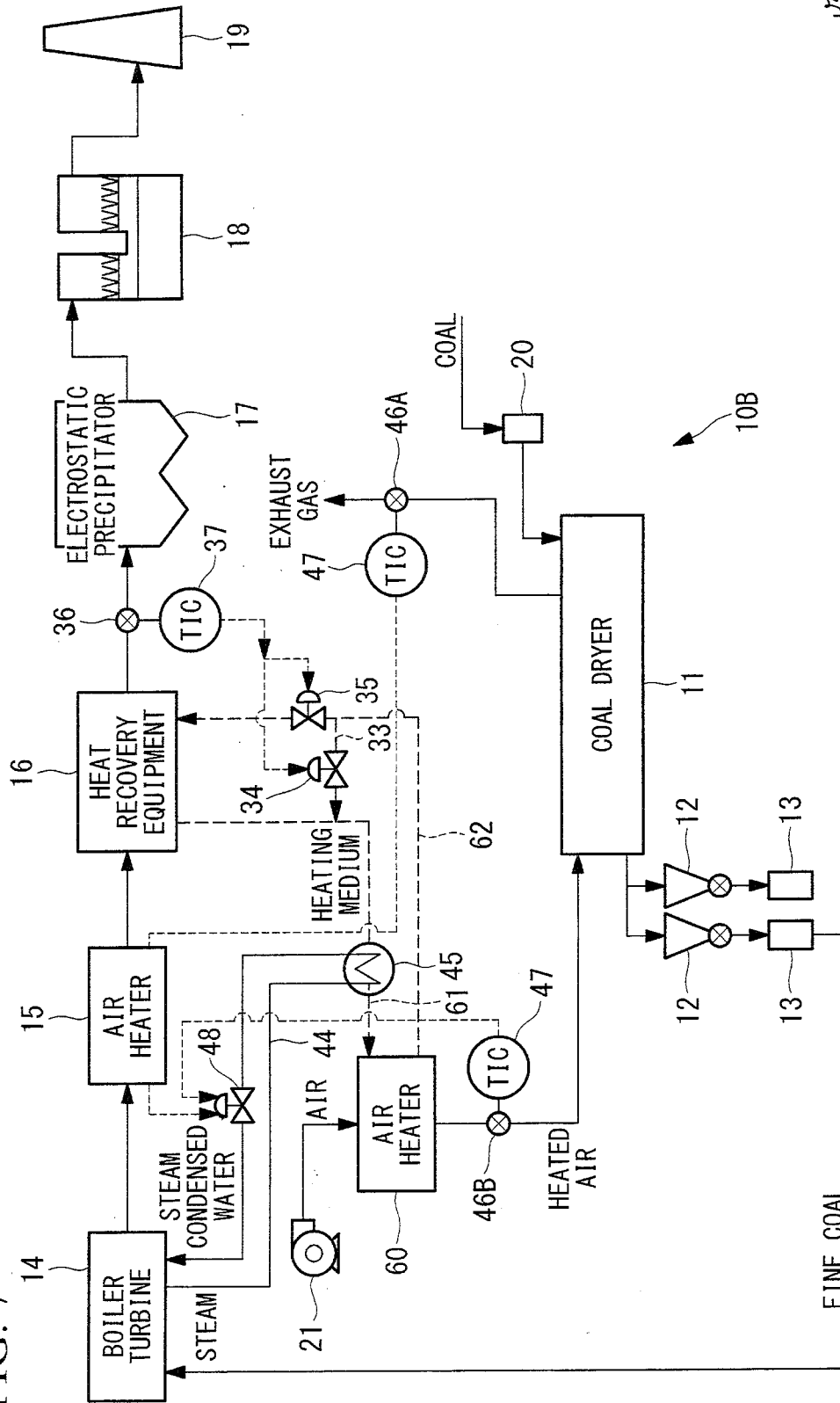


FIG. 7



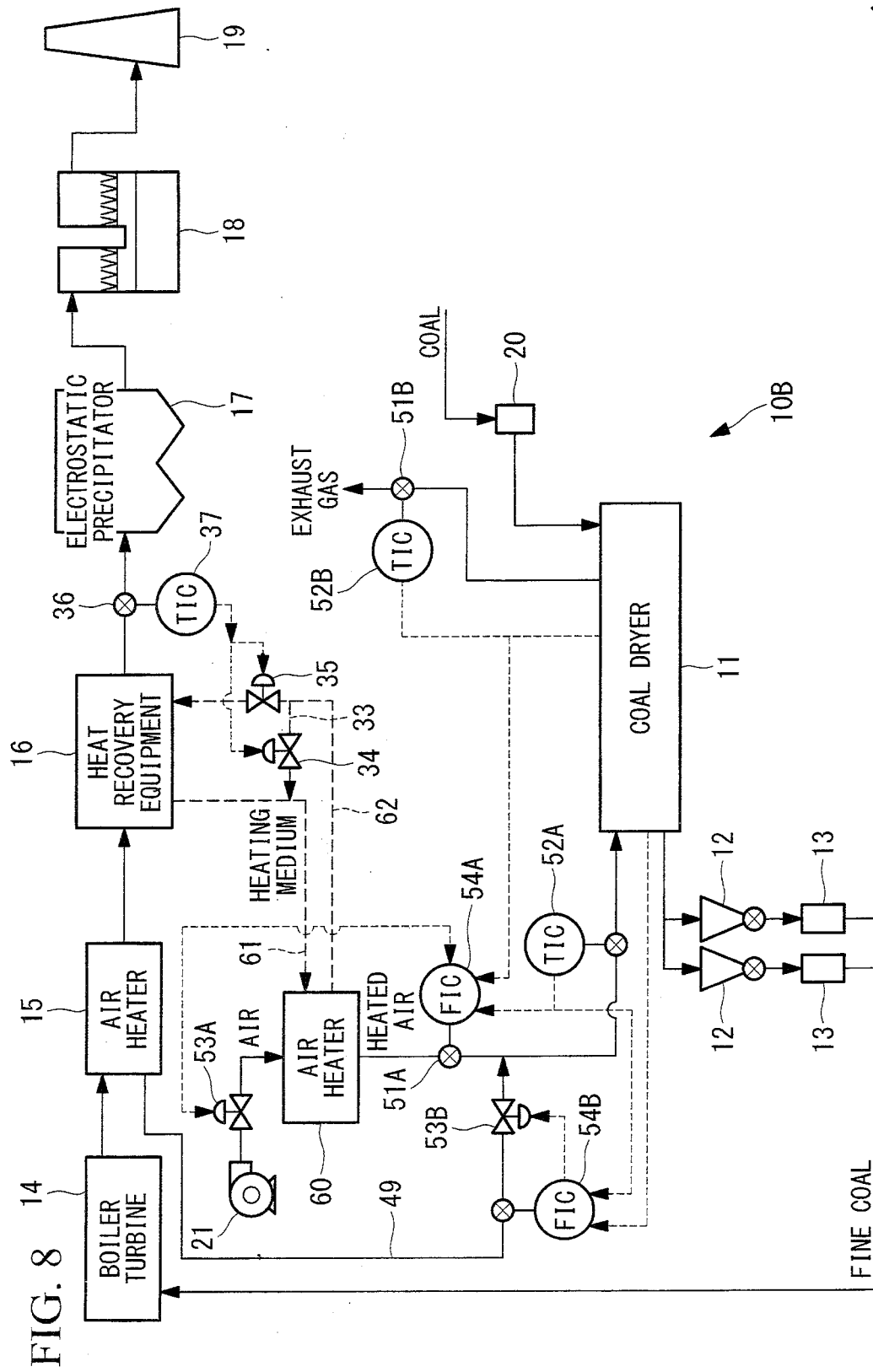
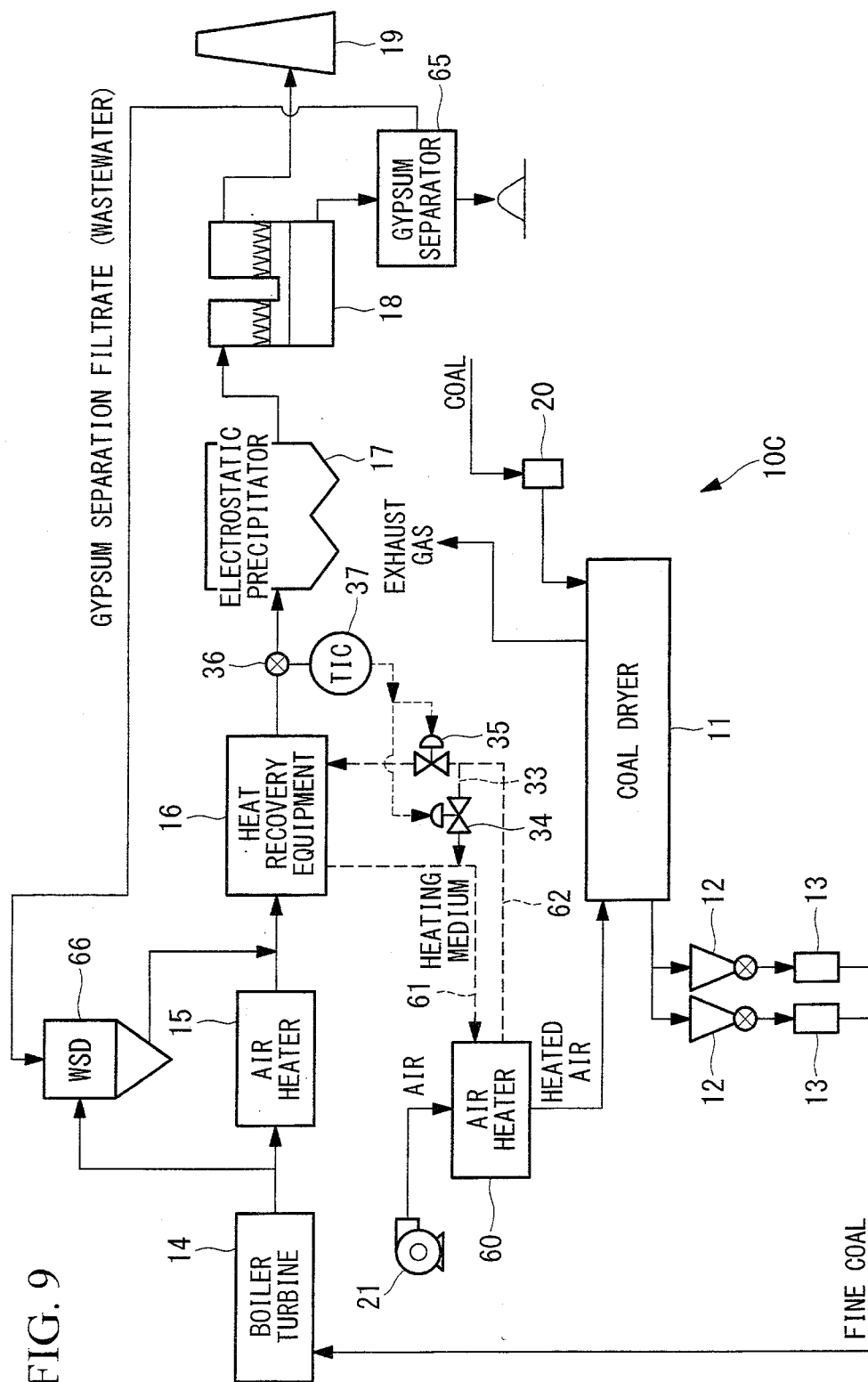


FIG. 9



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FIG. 10

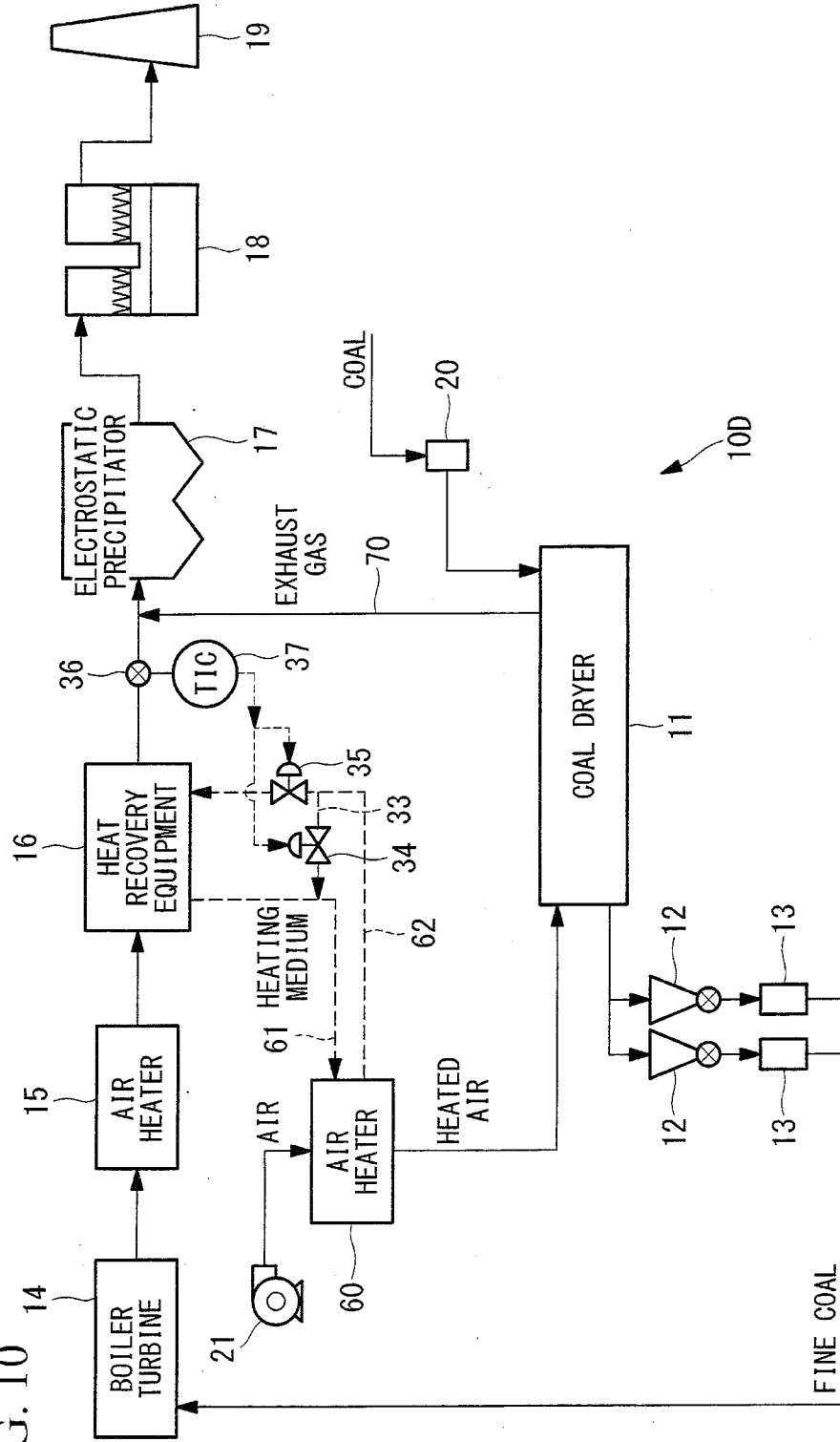
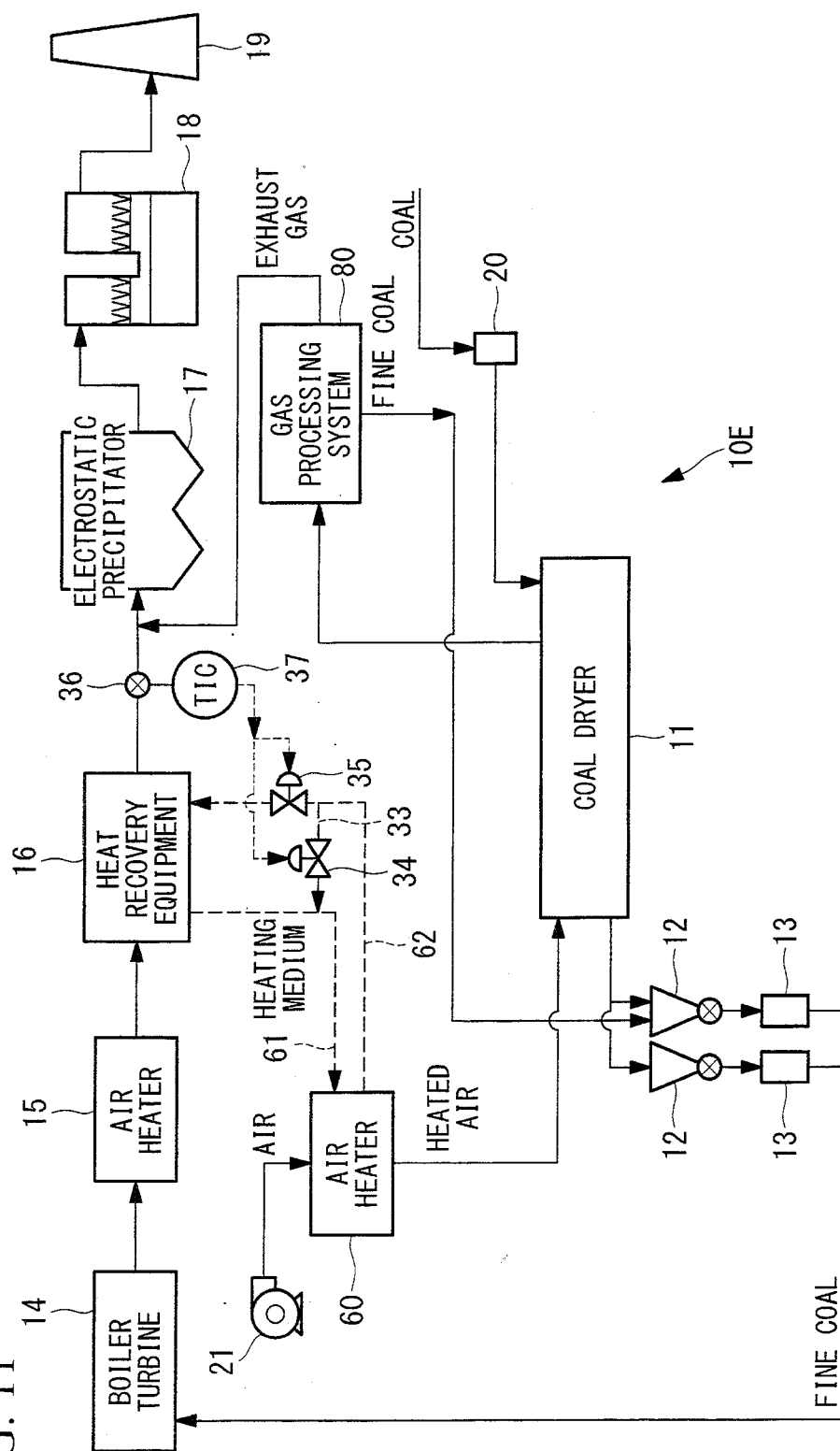


FIG. 11



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AGENT FOR THE APPLICANTS

REFERENCE SIGNS LIST

	10A - 10E	coal fired boiler plant
	11	Coal dryer
	12	Coal bunker
5	13	Coal mill
	14	Boiler turbine (boiler)
	14b	Auxiliary boiler
	15	Air heater
	16	Heat recovery equipment
10	17	Electrostatic precipitator
	18	Desulfurization plant
	19	Flue
	20	Coal crusher
	21	Air blower
15	30, 31	Line
	32	Pump
	33	Bypass line
	34, 35	Control valve
	36	Sensor
20	37	Temperature controller
	39	Line
	40	Air heater
	41A, 41B	Sensor
	42	Temperature controller
25	43	Valve
	44	Line
	45	Heating medium heater
	46A, 46B	Temperature sensor
	47	Temperature controller
30	48	Valve
	49	Line
	51A, 51B	Sensor
	52A, 52B	Temperature controller
	53A, 53B	Valve
35	54A, 54B	Flow rate controller
	60	Air heater
	61	Line
	62	Line
	65	Gypsum separator
40	66	Spray dryer
	70	Line
	80	Gas processing system (fine coal recovery plant)