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FIG.2A

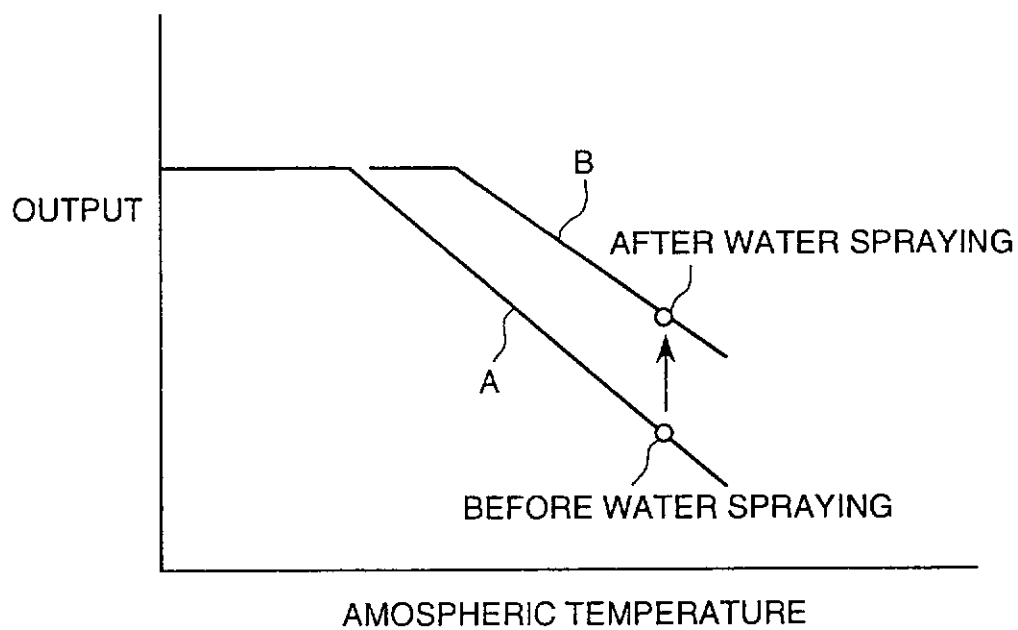
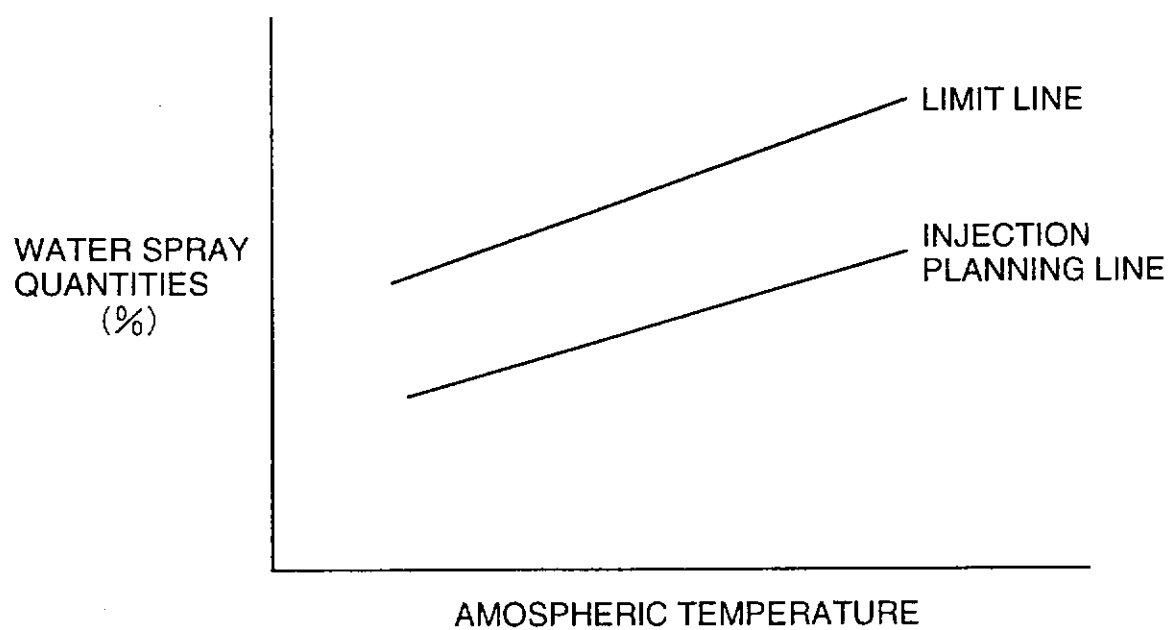


FIG.2B



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FIG.3

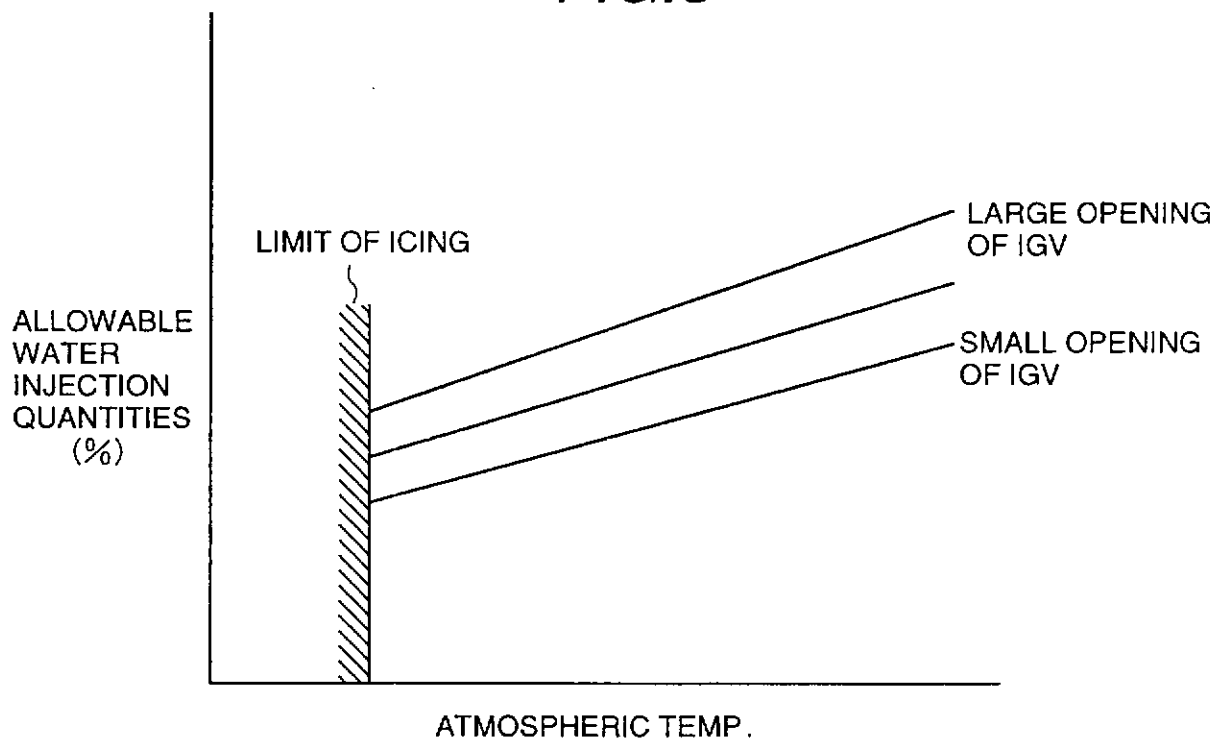
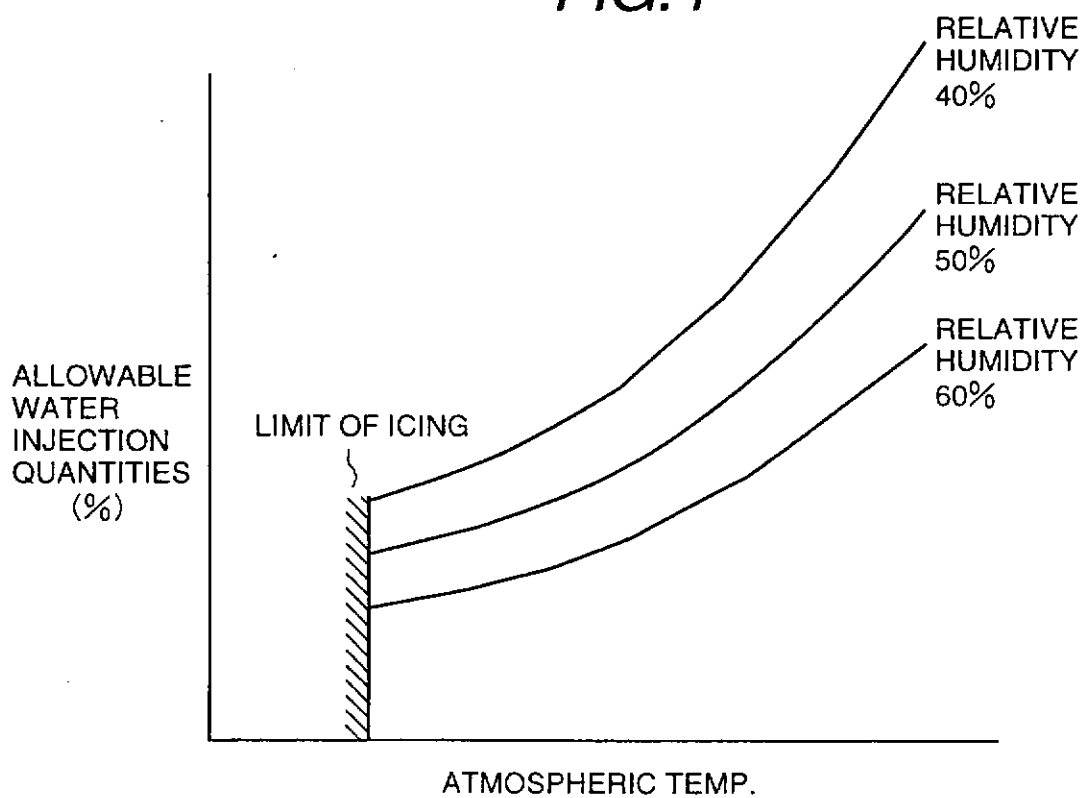


FIG.4



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FIG.5A

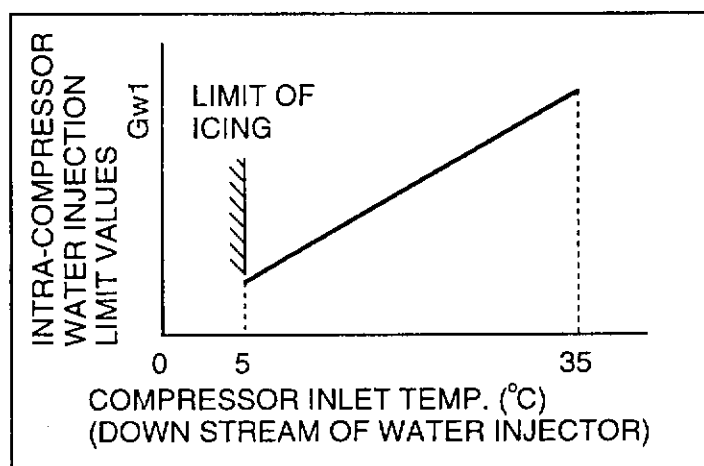


FIG.5B

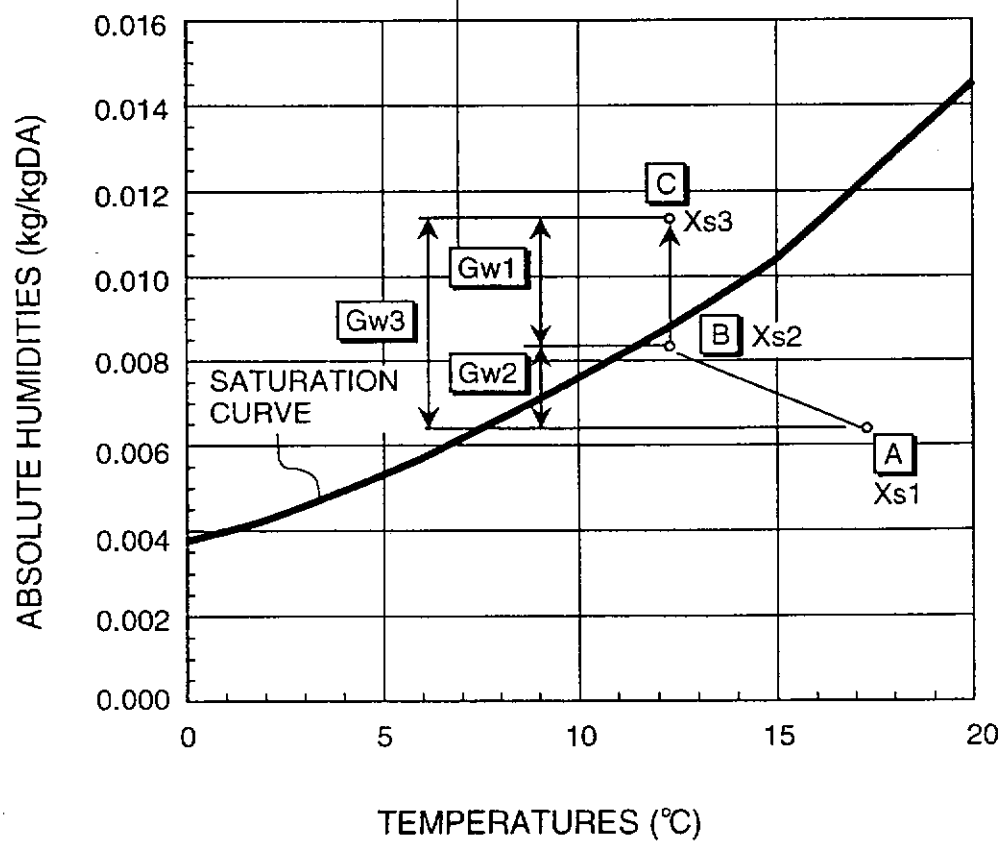
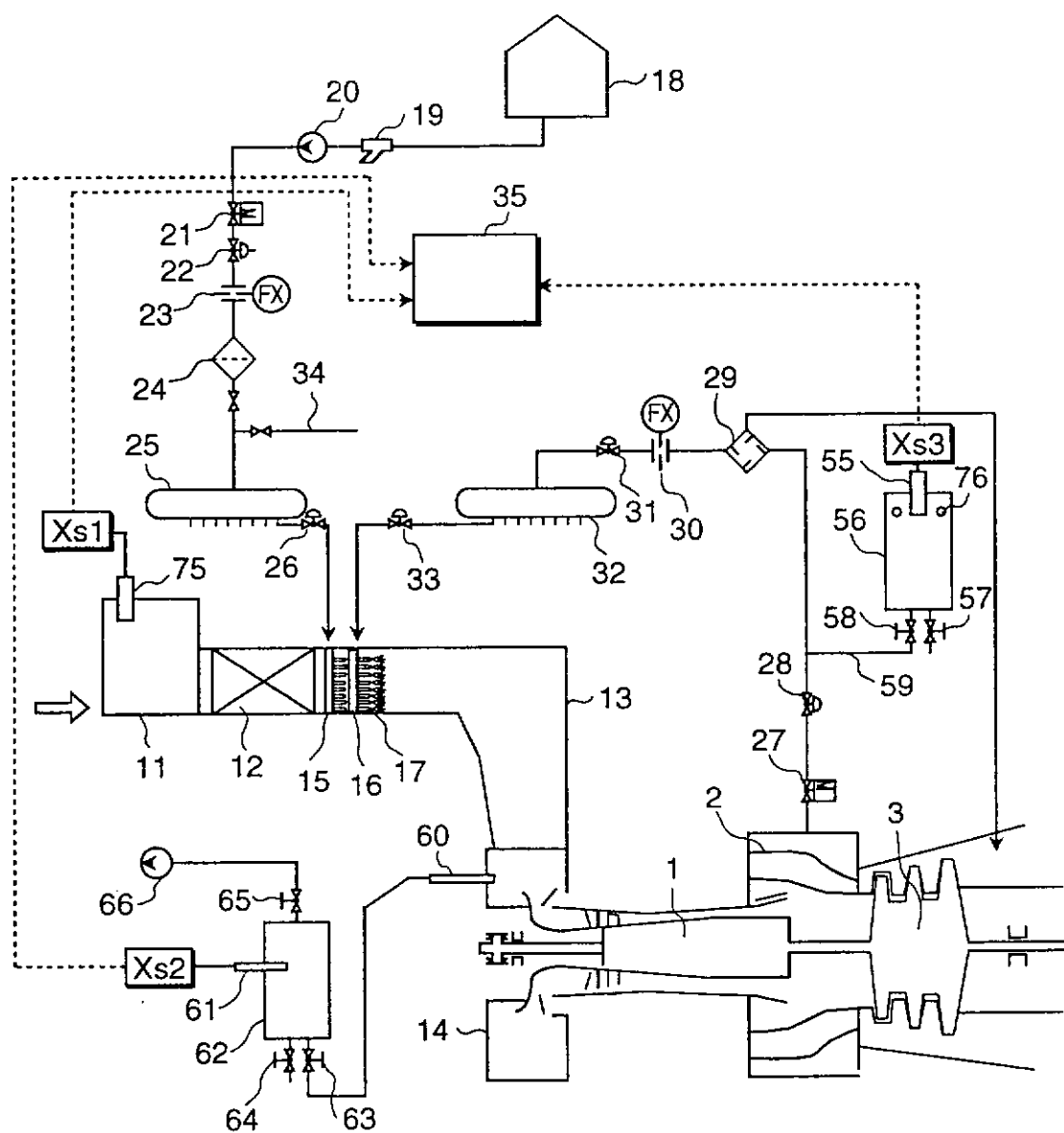
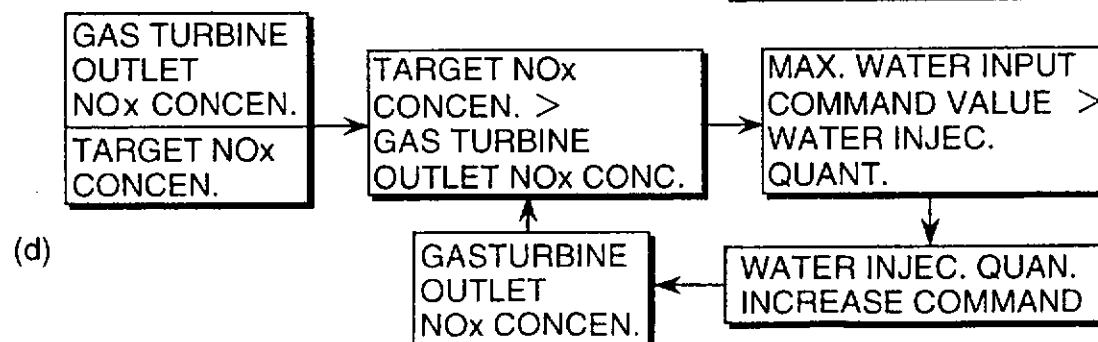
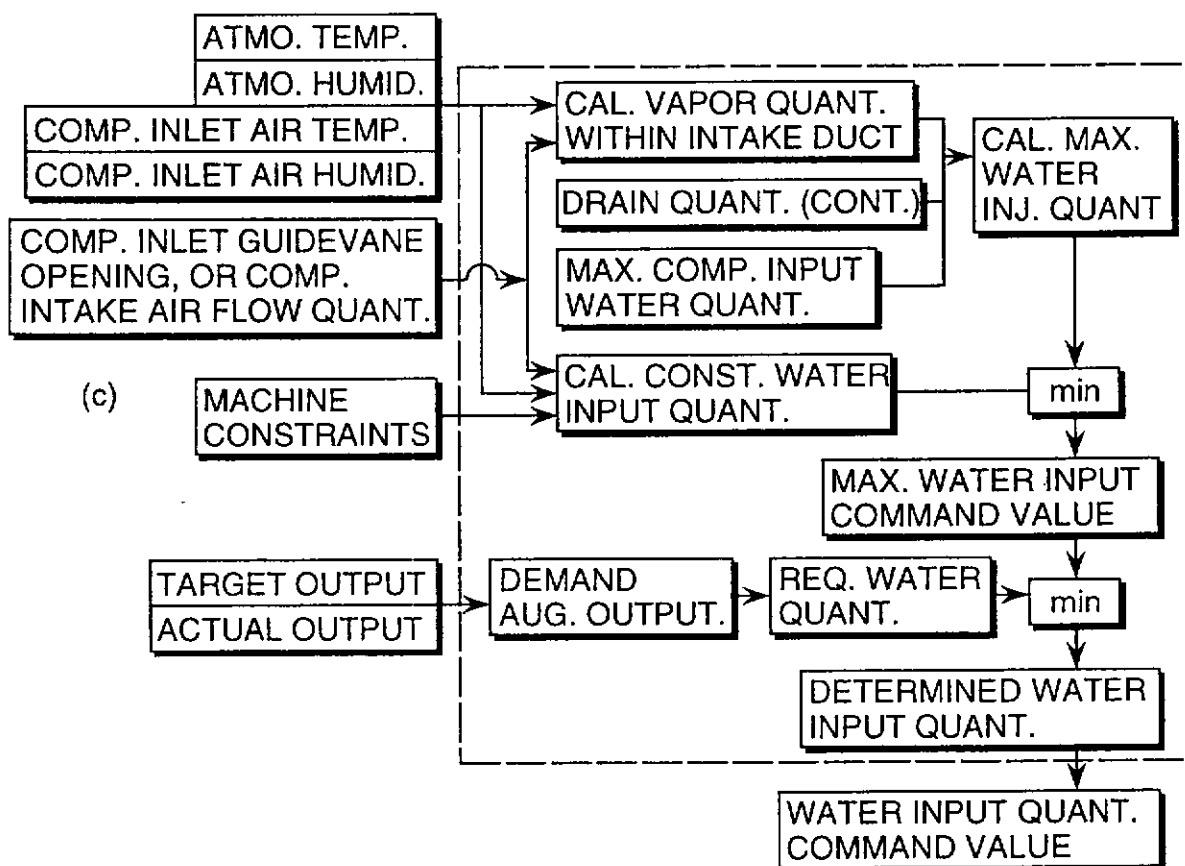
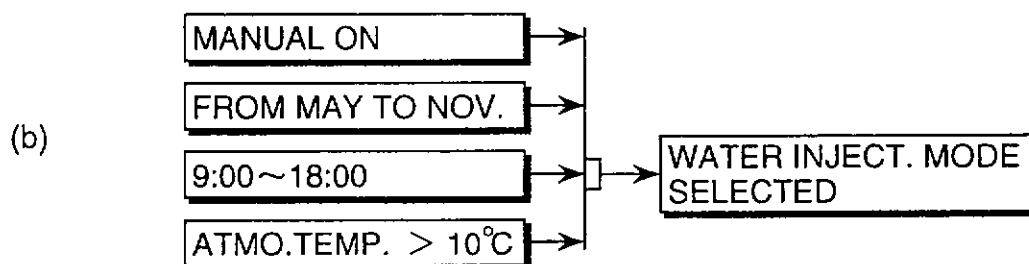


FIG. 6



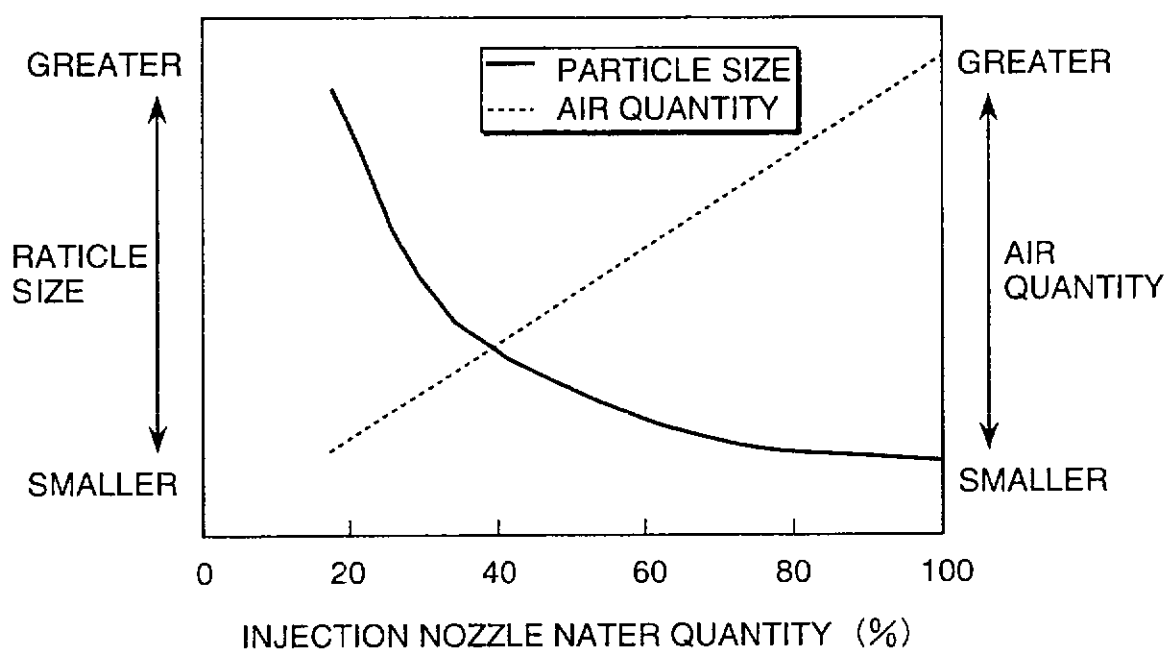
(a)

```
graph LR; A[RATED REV. OF GAS TURBINE] --> C[ ]; B[ATMO. WET BULB TEM. > 5°C] --> C; C --> D[WATER INJECT. ALLOWABLE COND. SATISFIED];
```



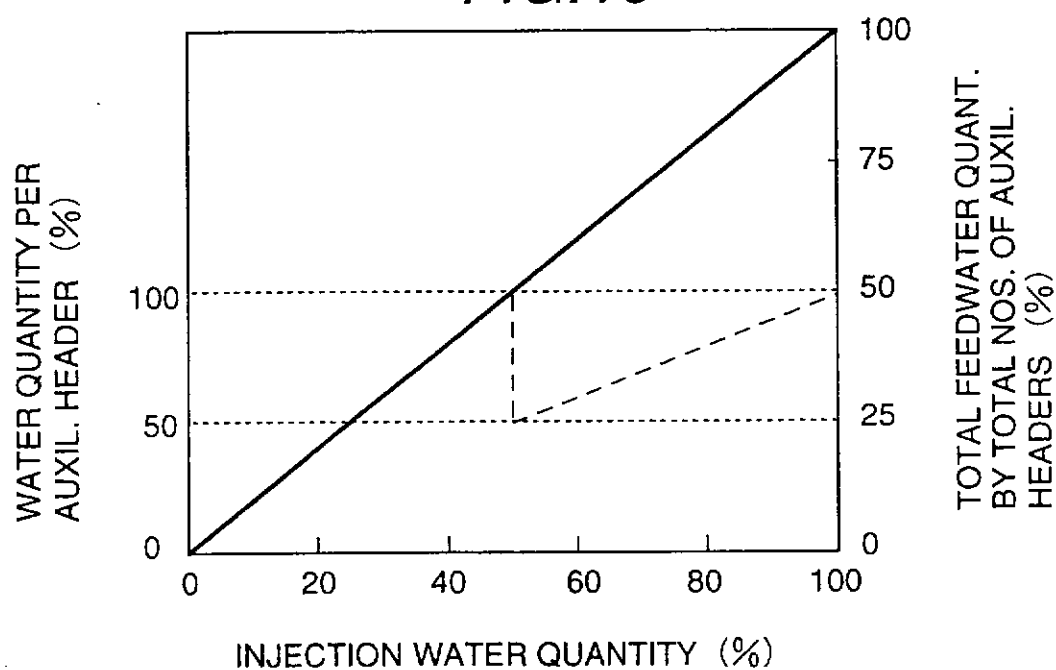
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FIG.8



RELATION OF WATER QUANTITY VS PARTICLE SIZE,
AIR QUANTITY UNDER A CONSTANT GAS / WATER RATIO

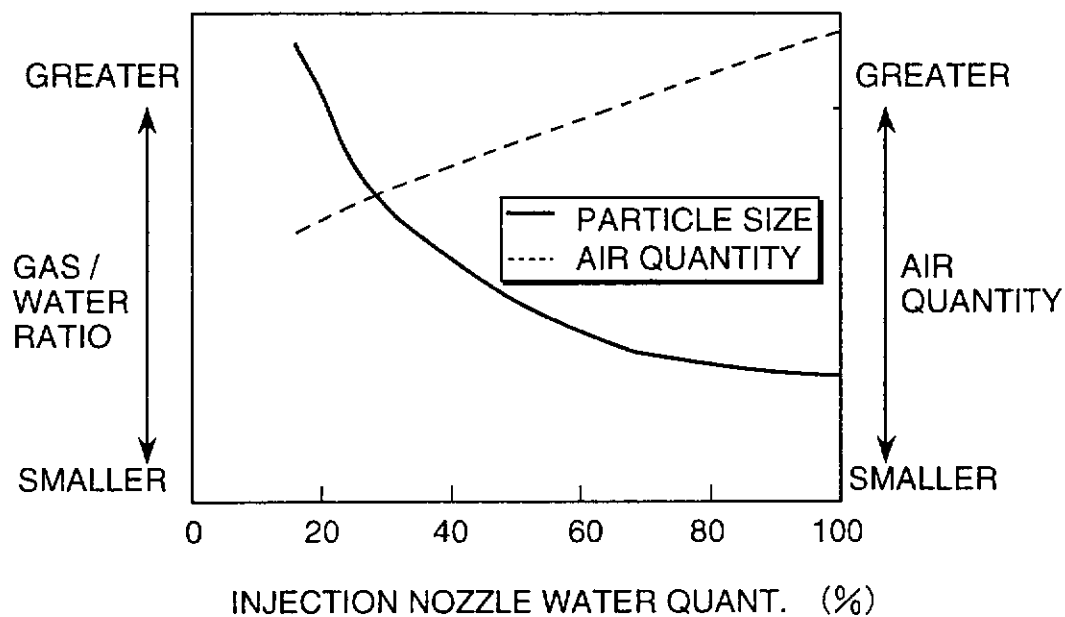
FIG.10



RELATION OF INJECTION WATER QUANT. VS
AUXIL. HEADERS' FEEDWATER QUANT

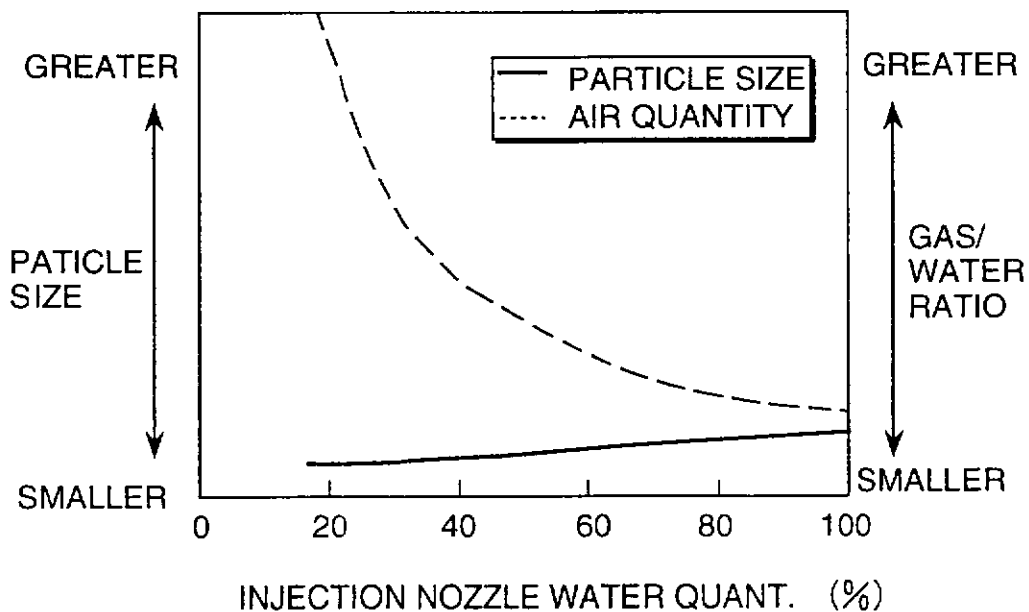
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FIG.11A



RELATION OF WATER QUANT. VS GAS / WATER RATIO,
AIR QUANT. UNDER A CONSTANT PARTICLE SIZE

FIG.11B



RELATION OF WATER QUANT. VS PARTICLE SIZE,
GAS / MOISTURE RATIO UNDER CONSTANT AIR FLOW

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FIG. 12A

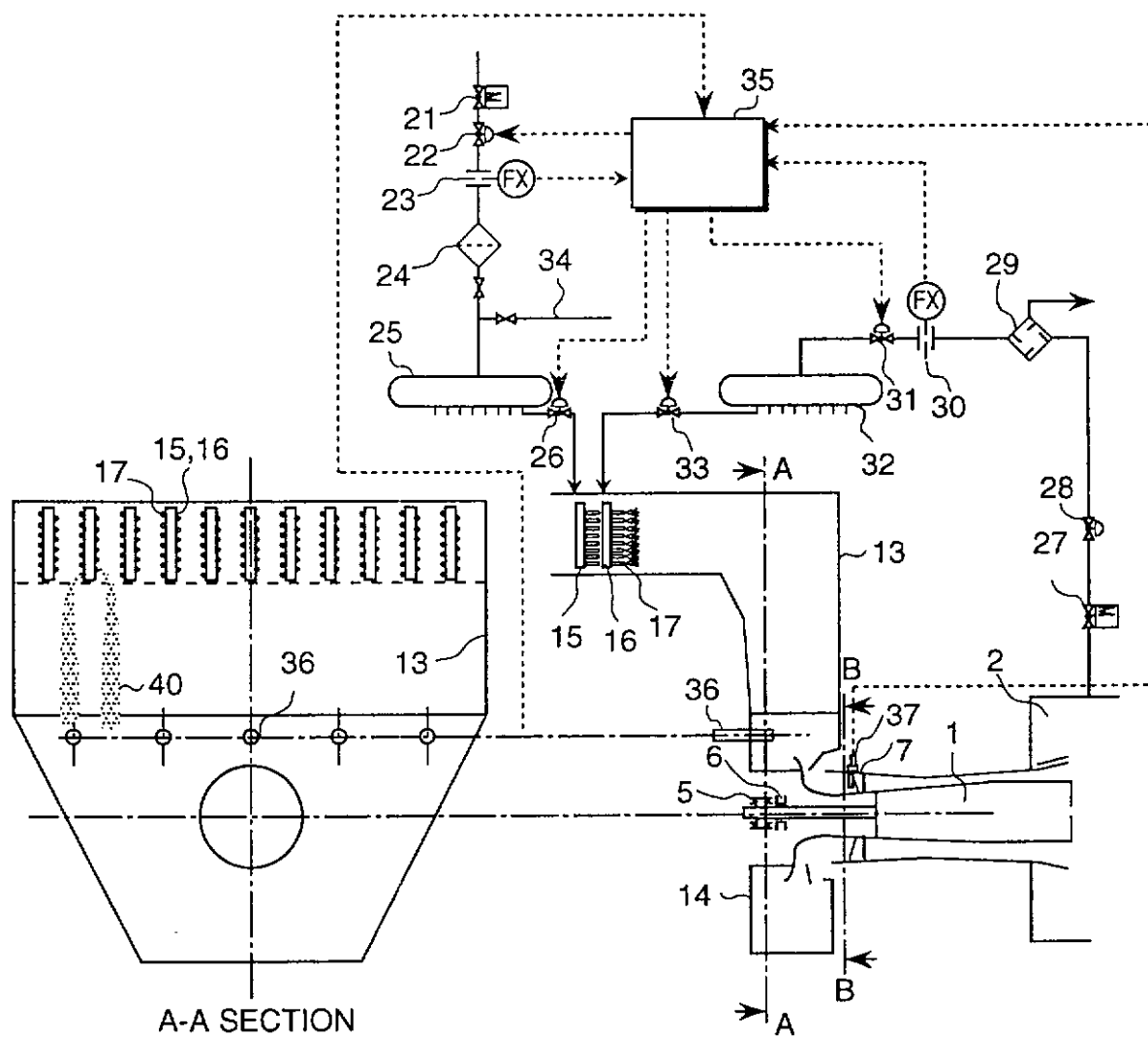


FIG. 12B

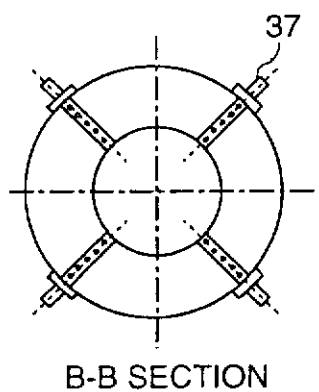
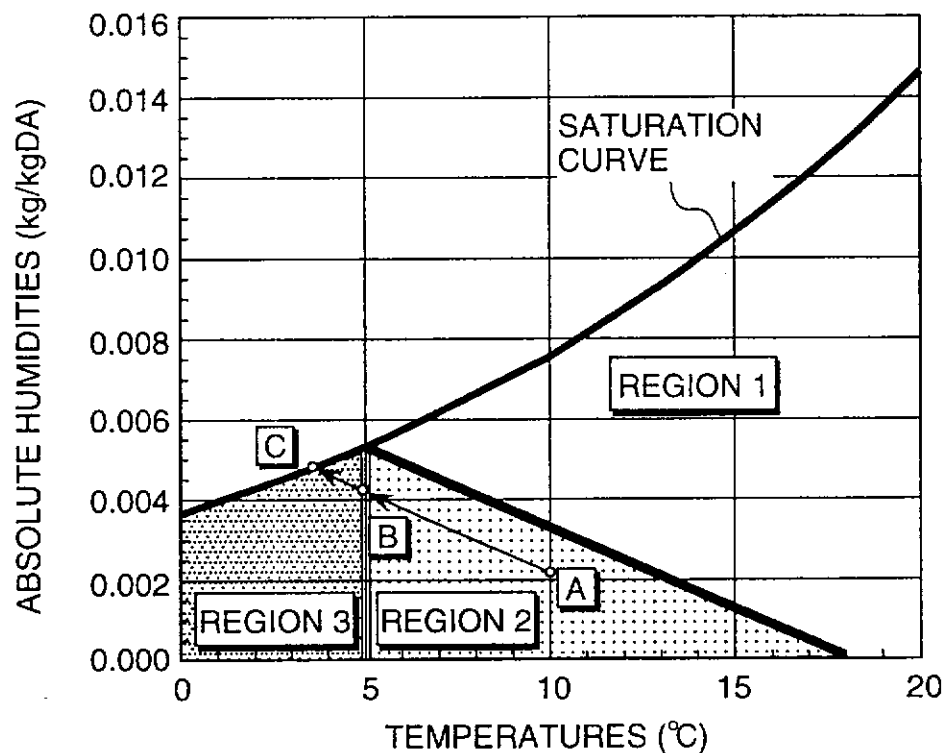


FIG. 13

REGION 1 : WATER INJECTION ALLOWABLE
REGION WITH NO ICING LIMIT

REGION 2 : WATER INJECTION ALLOWABLE
REGION WITH ICING LIMIT

REGION 3 : WATER INJECTION PROHIBITE
REGION



POINT A : UPPER STREAM OF WATER INJECTOR
10°C RELATIVE HUMIDITY, 30 %

POINT B : DOWN STREAM OF WATER 5°C
RELATIVE HUMIDITY, 75 %

POINT C : DOWN STREAM OF WATER INJECTOR
35°C RELATIVE HUMIDITY, 100 %

FIG. 14

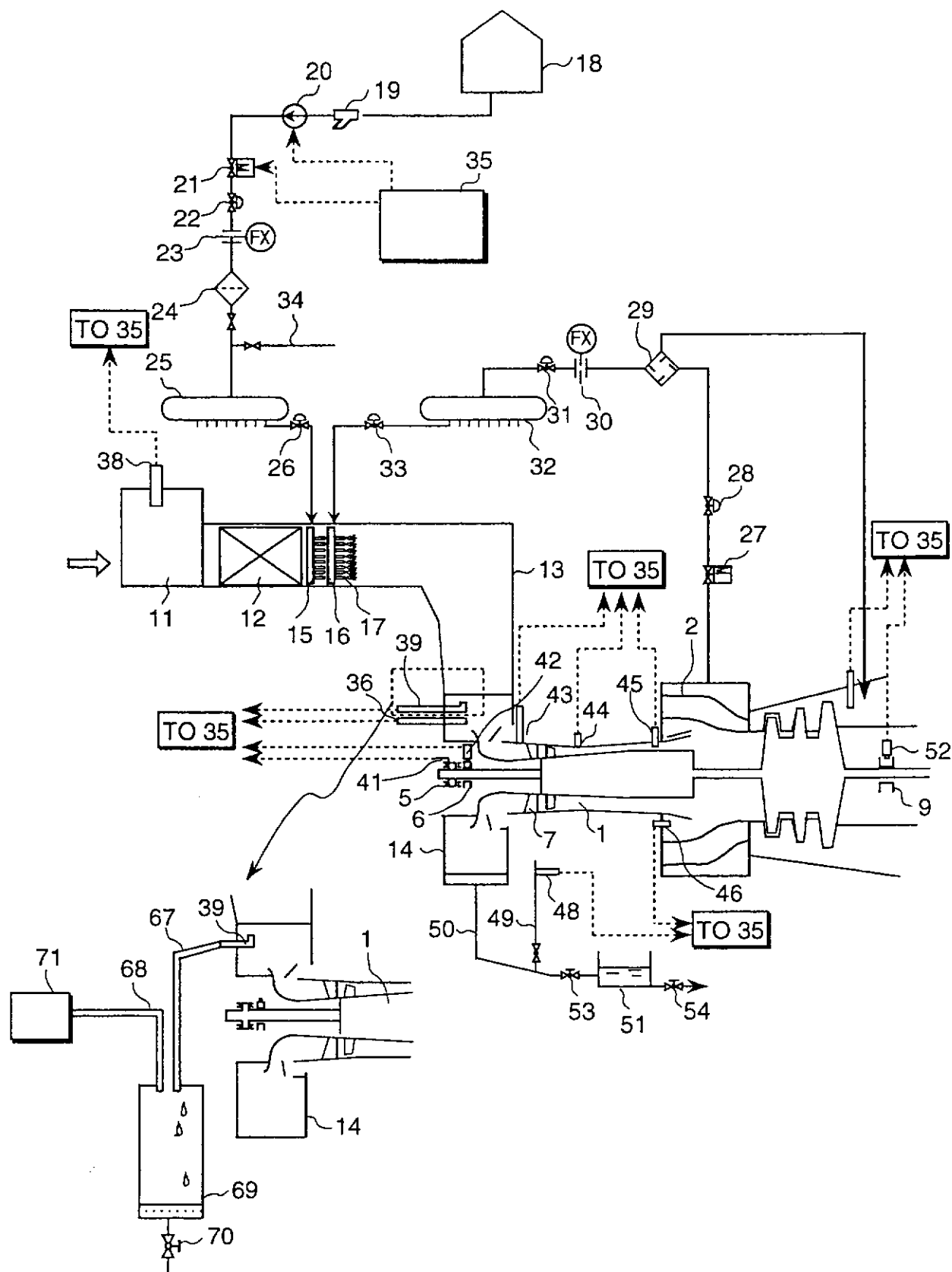


FIG. 15

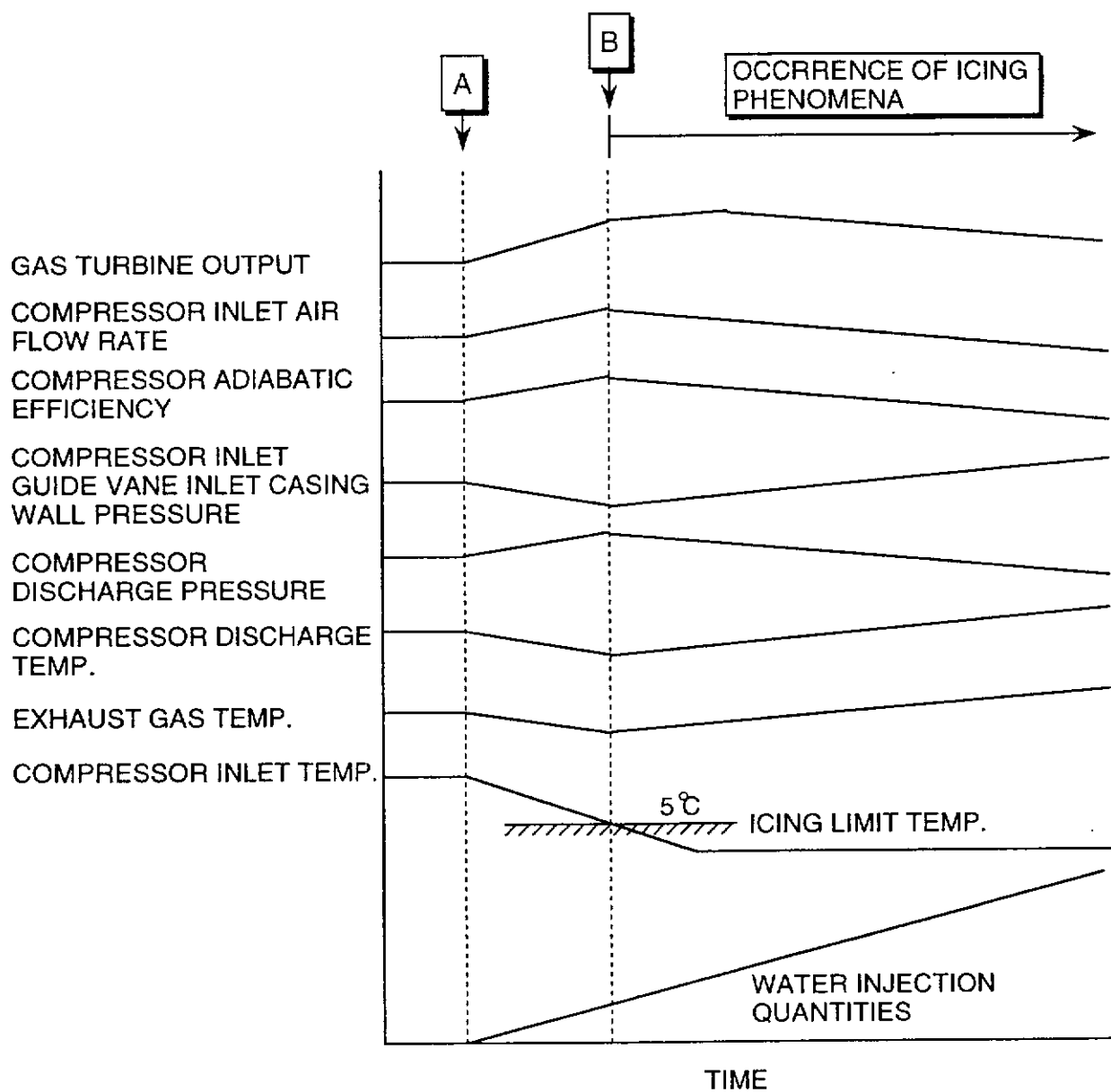
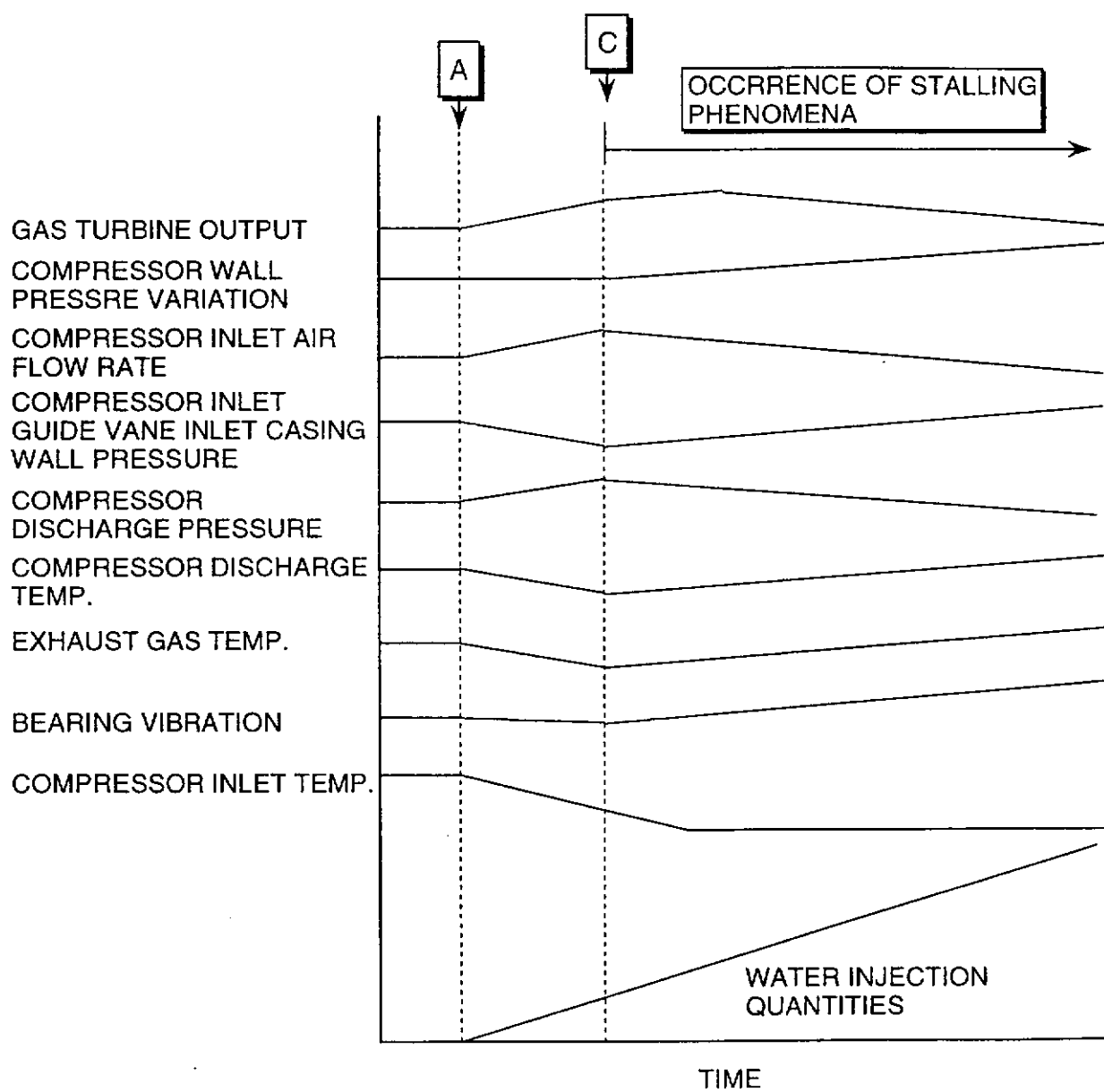


FIG.16



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FIG.17A

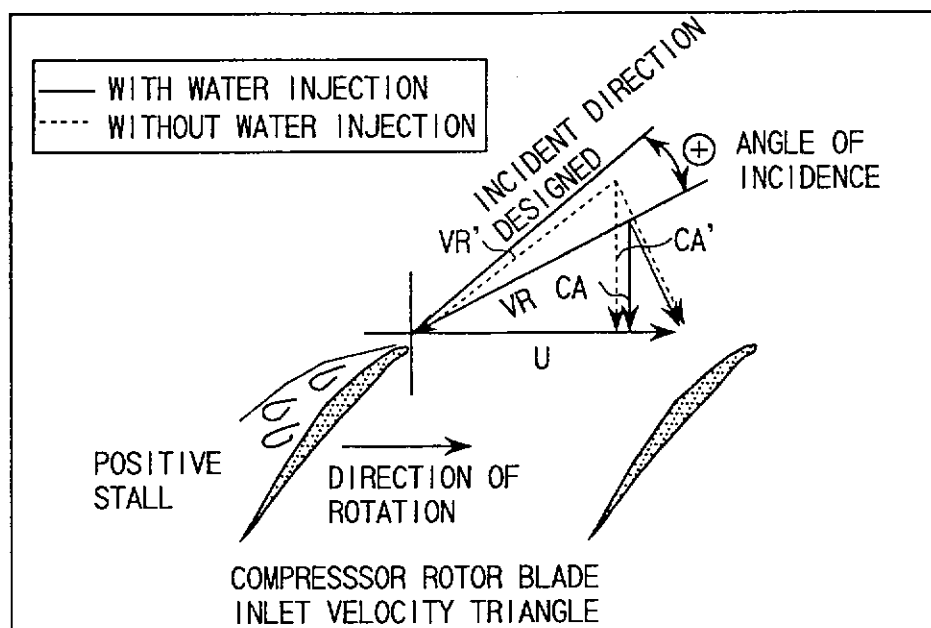


FIG.17B

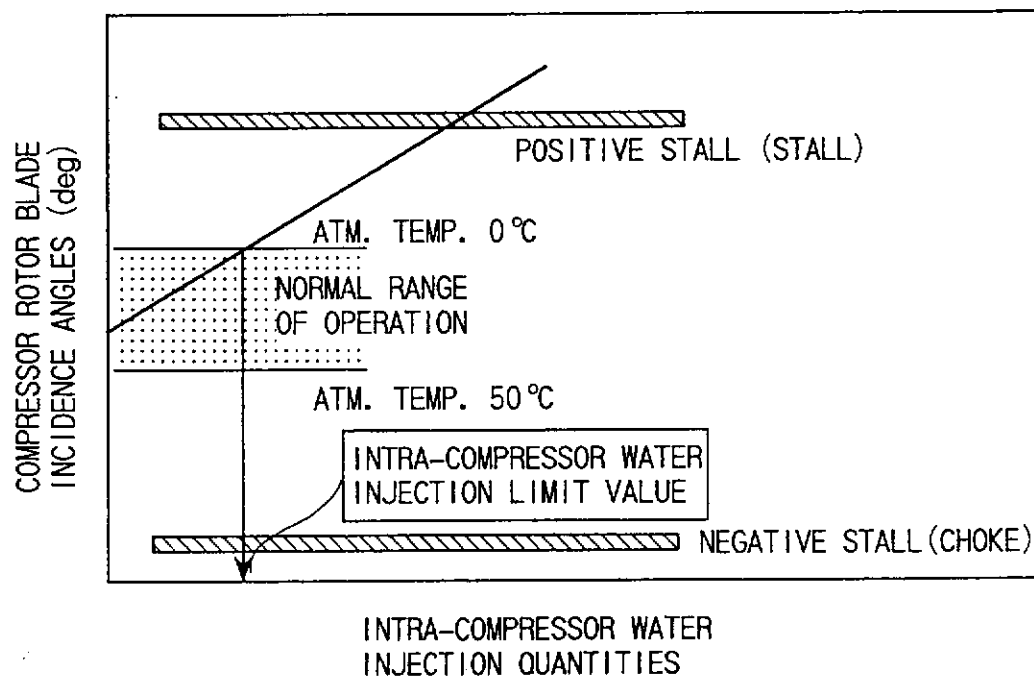
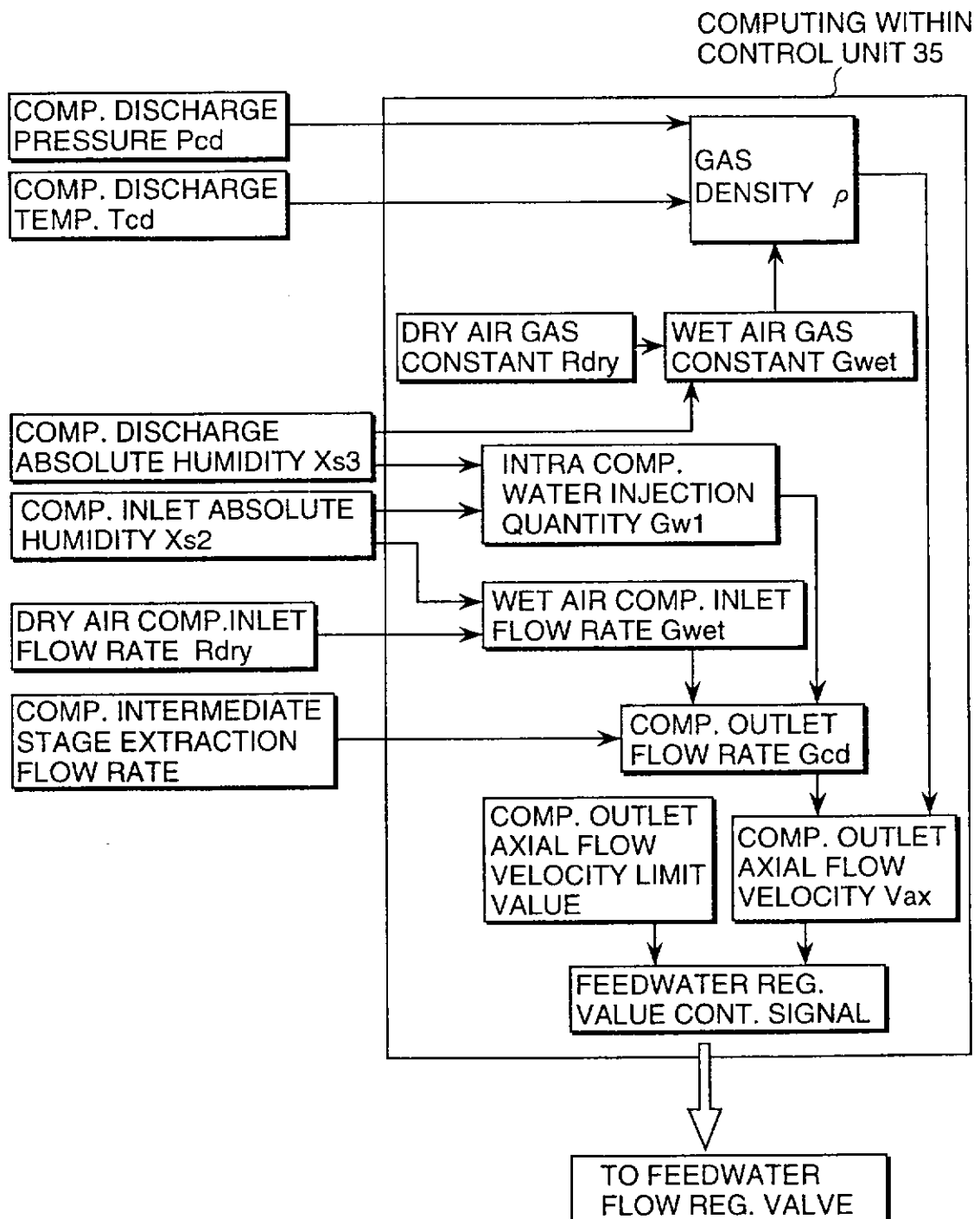
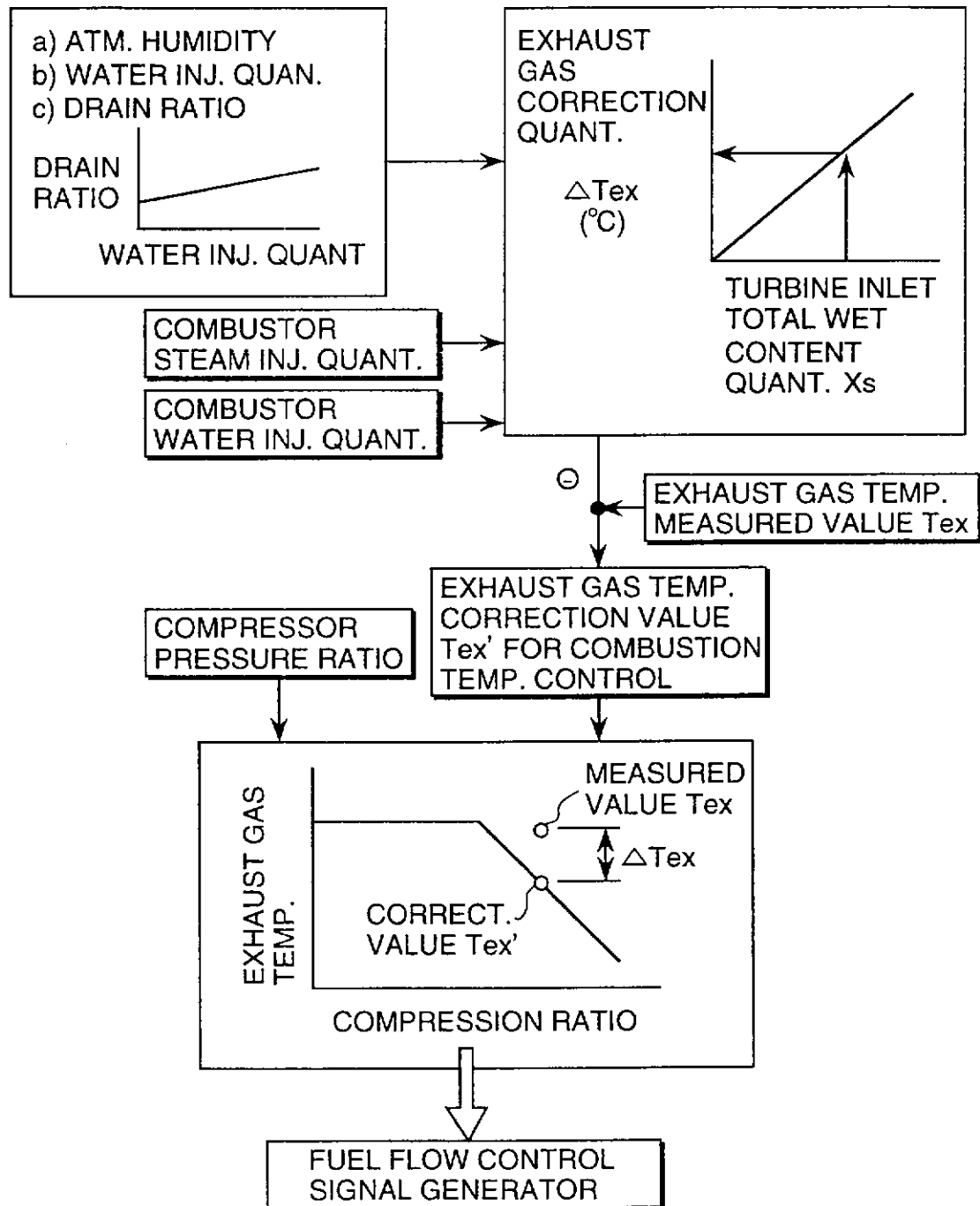


FIG. 18



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FIG. 19



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FIG.21A

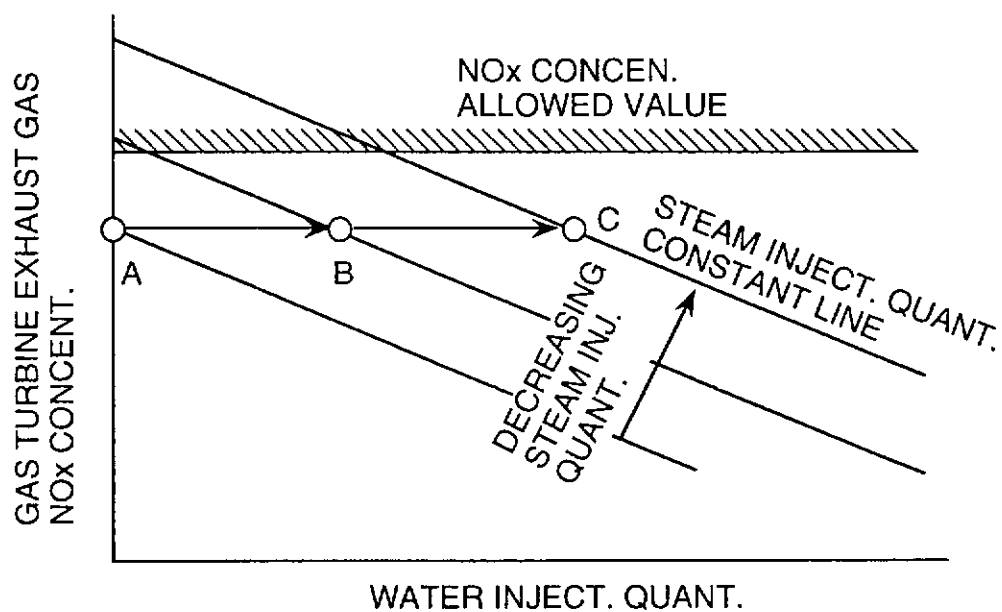
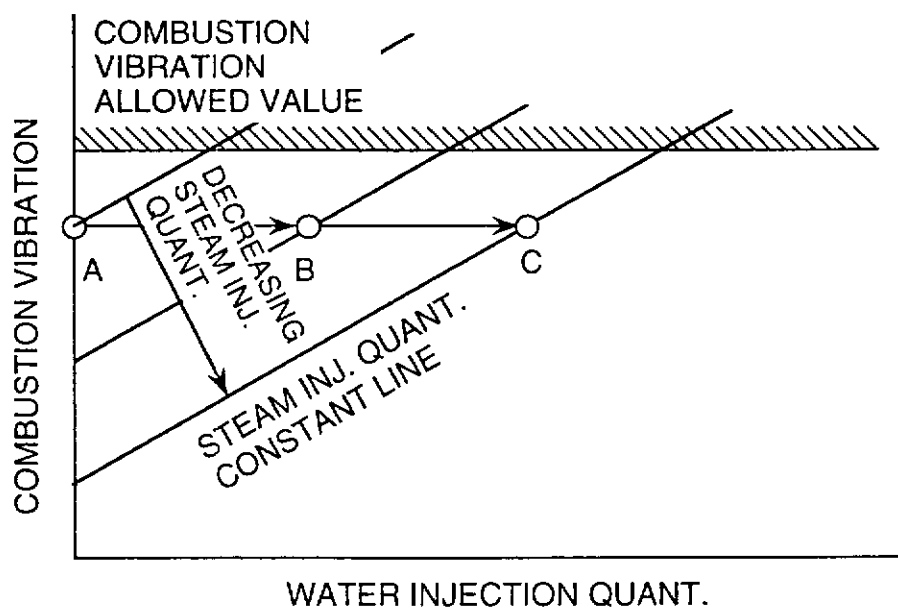


FIG.21B



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FIG.22A

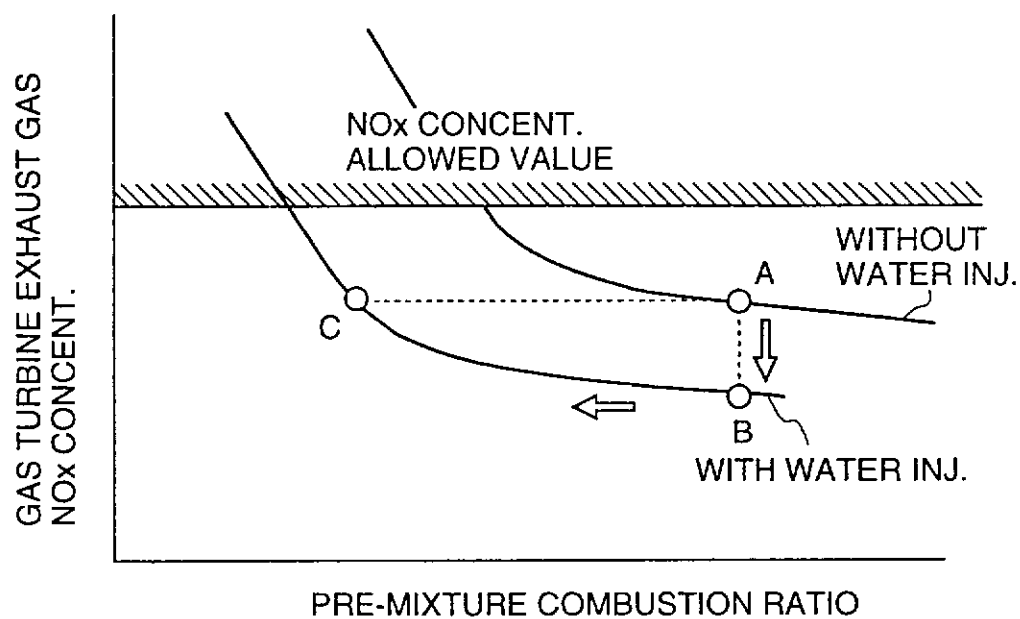


FIG.22B

