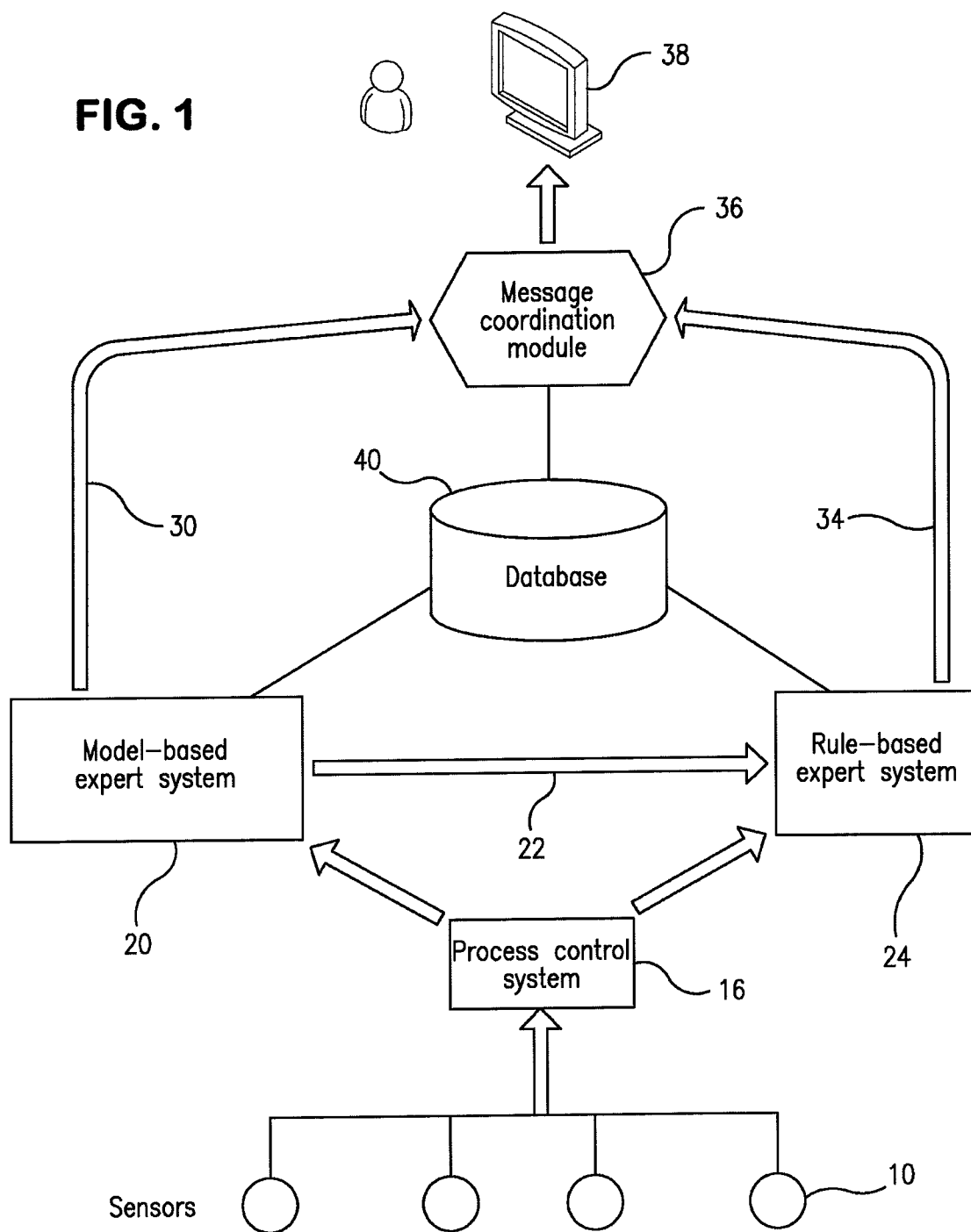


1/6

FIG. 1

T-814 MODEL PCA Model Configuration

General Details Inputs Related Tags Logging Suppression Internal Suppression Model Tuning Reports

Source	Tag Name	Model Attribute	Critical	Filter Ti...	Limit Check	Lower L...	Upper Limit	Standard Deviation	Description
Tag	R1I485.PV		☐	3.0	None			.79304	Temperature Variable8
Tag	R1I486.PV		☐	3.0	None			.7594	Temperature Variable7
Tag	R1I487.PV		☐	3.0	None			.76374	Temperature Variable6
Tag	R1I488.PV		☐	3.0	None			.76558	Temperature Variable5
Tag	R1I489.PV		☐	3.0	None			.7666	Temperature Variable4
Tag	R1I490.PV		☐	3.0	None			.56039	Temperature Variable3
Tag	R1I491.PV		☐	3.0	None			.67816	Temperature Variable2
Tag	R1P752.PV		☐	3.0	None			.14458	Pressure Variable4
Tag	R1P770.PV		☐	3.0	None			.14138	Pressure Variable3
Tag	R1P871.PV		☐	3.0	None			.14131	Pressure Variable2
Tag	R1P873.PV		☐	3.0	None			.14279	Pressure Variable1
Tag	R1T772.PV		☒	3.0	None			.5394	Temperature Variable1
Tag	R1F782U.PV		☐	3.0	None			.44689	Flow Variable1

OK Cancel Apply

FIG. 2

Rule T-814 Flooding Configuration

General

Details

Rule Logic

Conclusion

Logging

Suppression

Comments

Reports

Generic Formula: c1 and c2

Status: FALSE

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Q

	Type	Condition	Timer Operation	Duration	Status	Suppress?
C1	Expr	R1F782.PV > 275	▼	0.0	False	
C2	Expr	PCA-RESIDUAL ("T-814", R1P770.PV) > 6	▼	0.0	False	

Dependent Rules

Q

OK

Cancel

Apply

FIG. 3A

Rule T-814 Flooding Configuration

General

Details

Rule Logic

Conclusion

Logging

Suppression

Comments

Reports

Conclusion Name: T-814 Flooding Conclusion

...

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🗑

Flooding in tower T-814 is identified. Monitor the DP and make the following adjustments.

1) reduce the tower inlet flow rate

2) reduce the reboiler duty

3) reduce the reflux ratio

Message:

Td: -1

Status: TRUE

Hits: 2

Category: Status

Documentation

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📄

Other Rules leading to this Conclusion

🔍

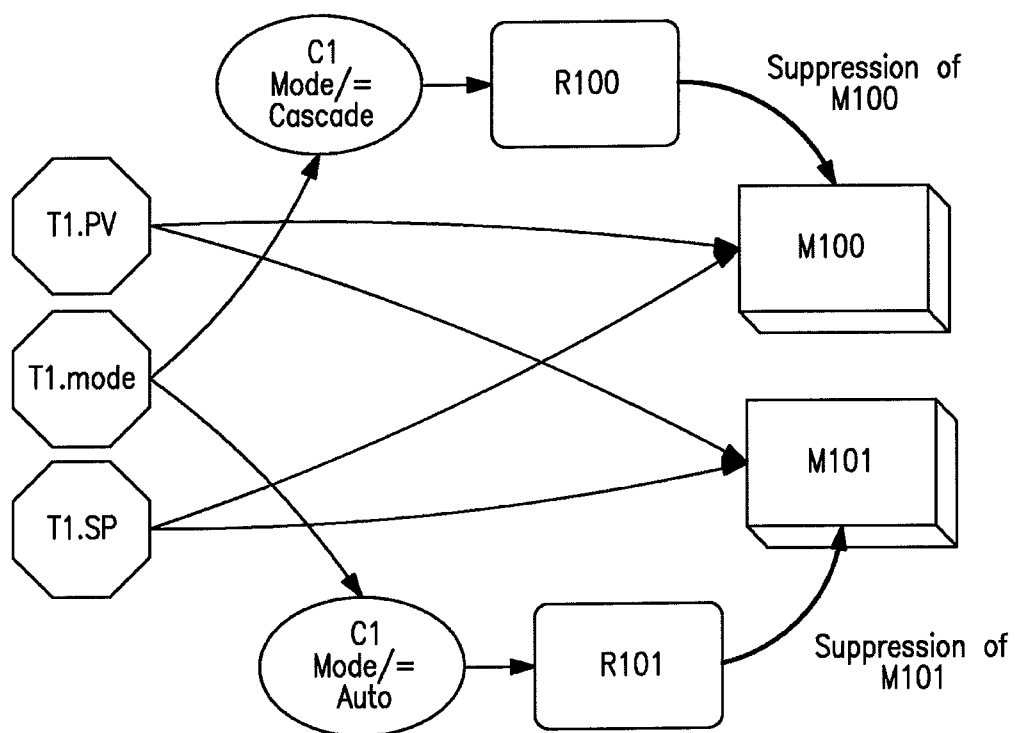
OK

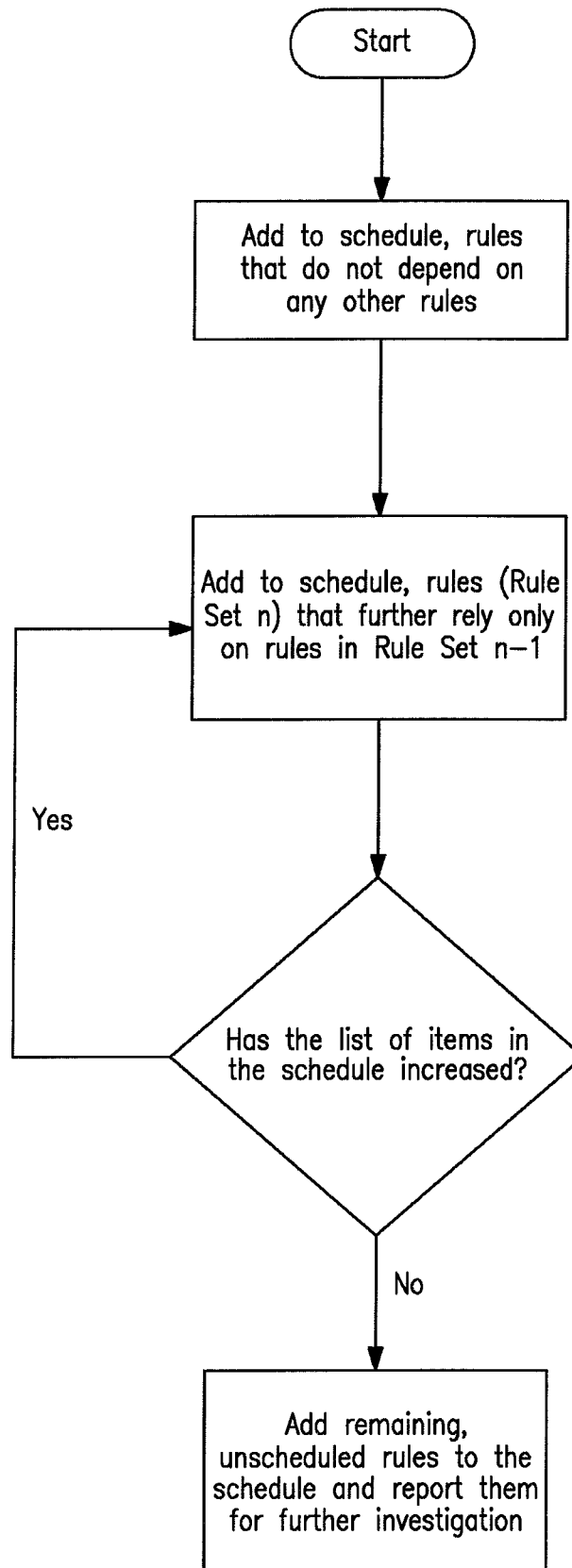
Cancel

Apply

FIG. 3B

5/6

**FIG. 4**

**FIG. 5**