

1/10

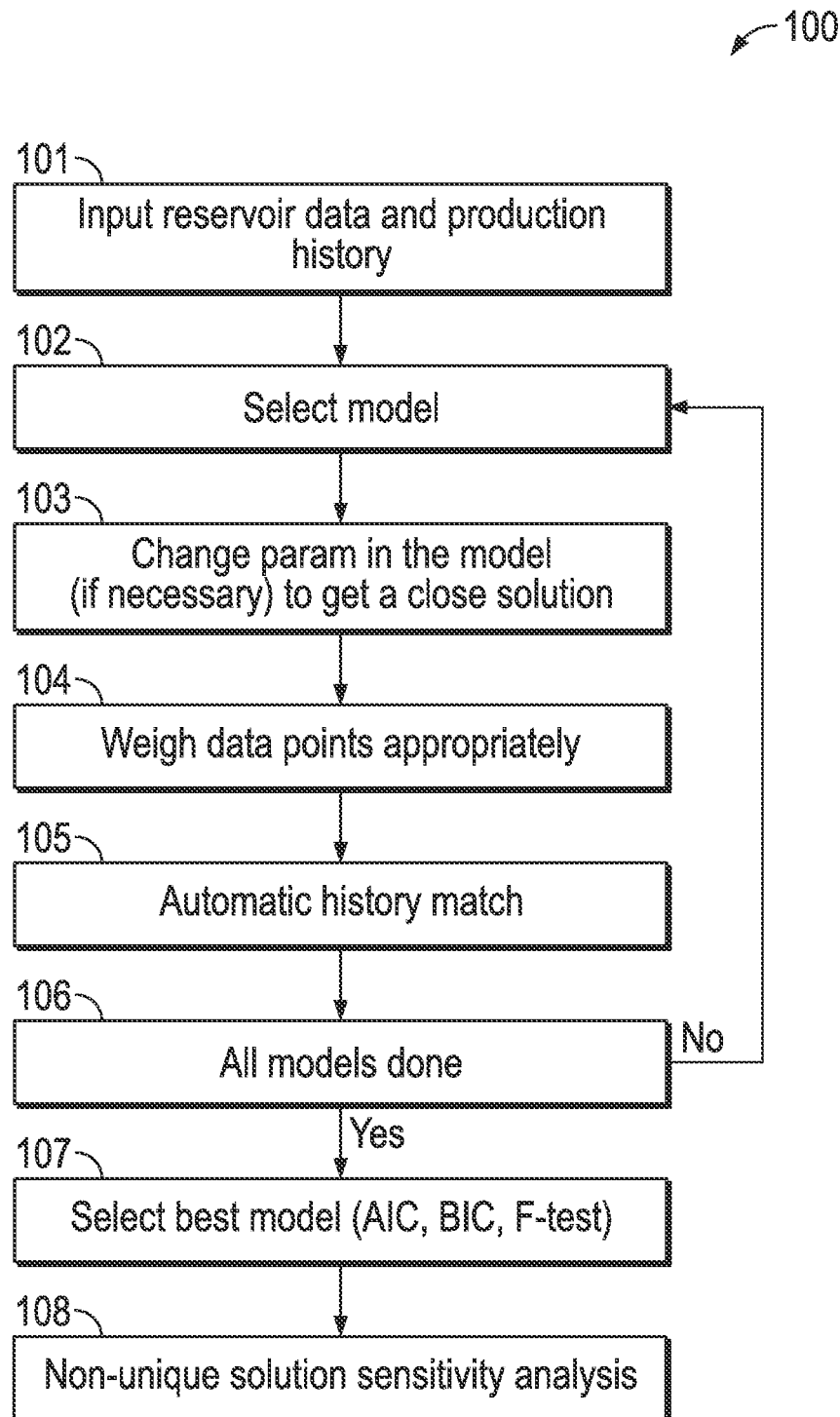


FIG. 1

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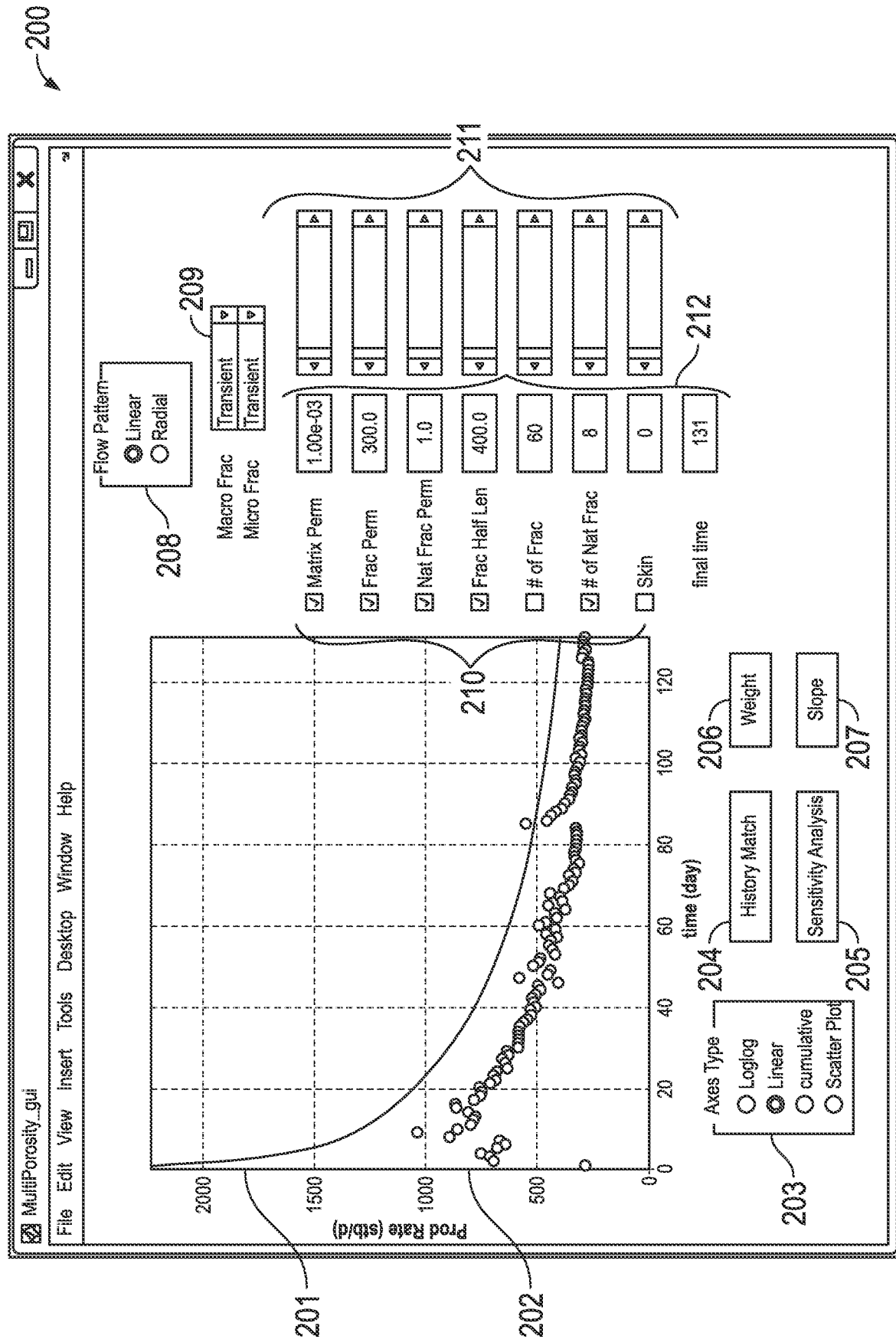


FIG. 2

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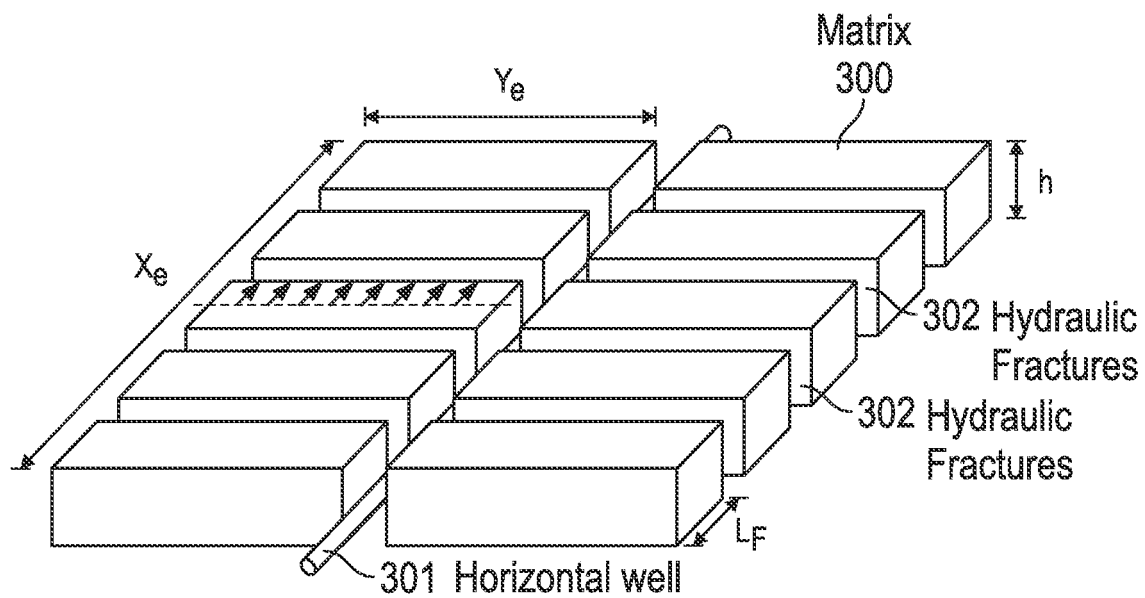


FIG. 3A

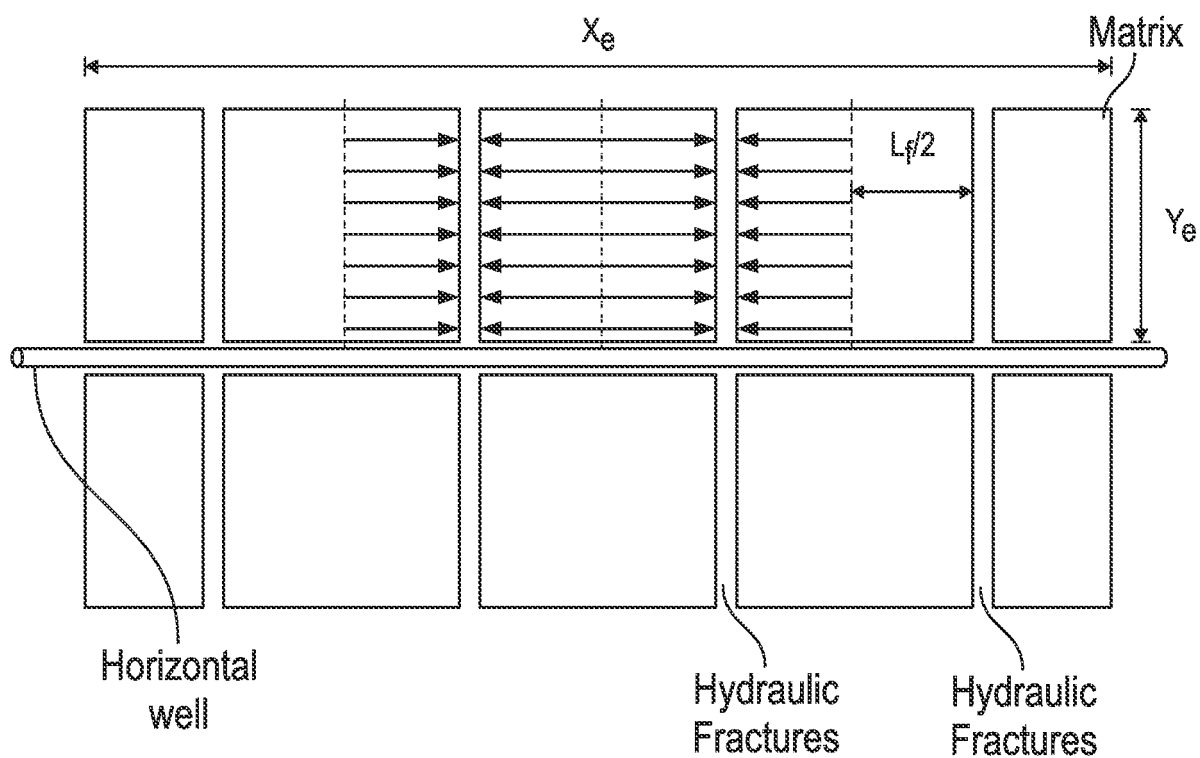


FIG. 3B

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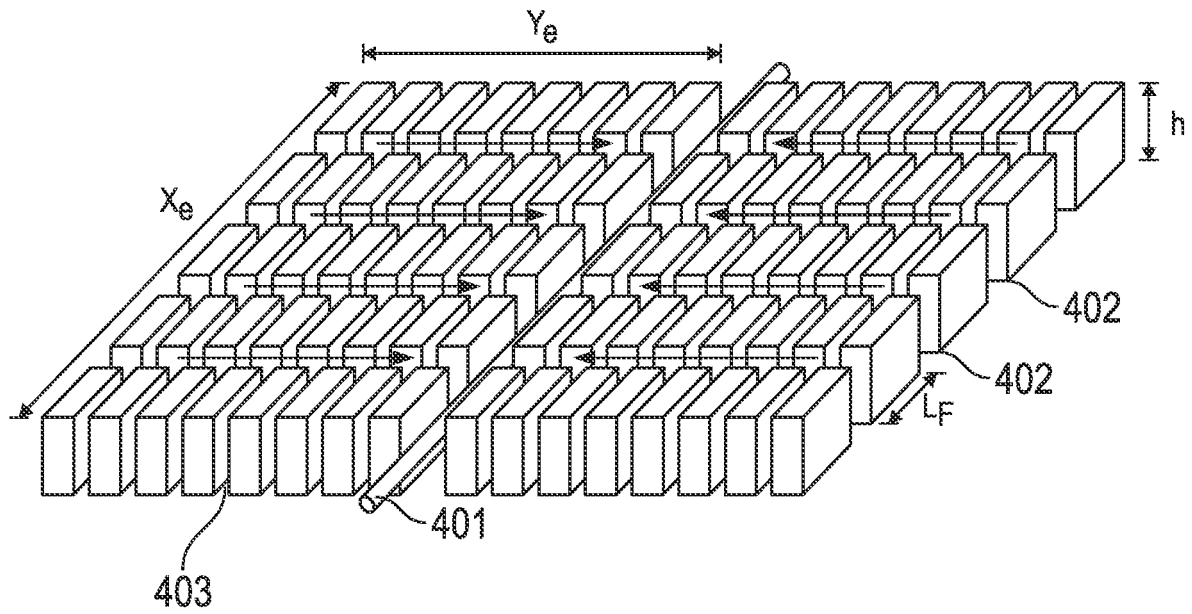


FIG. 4A

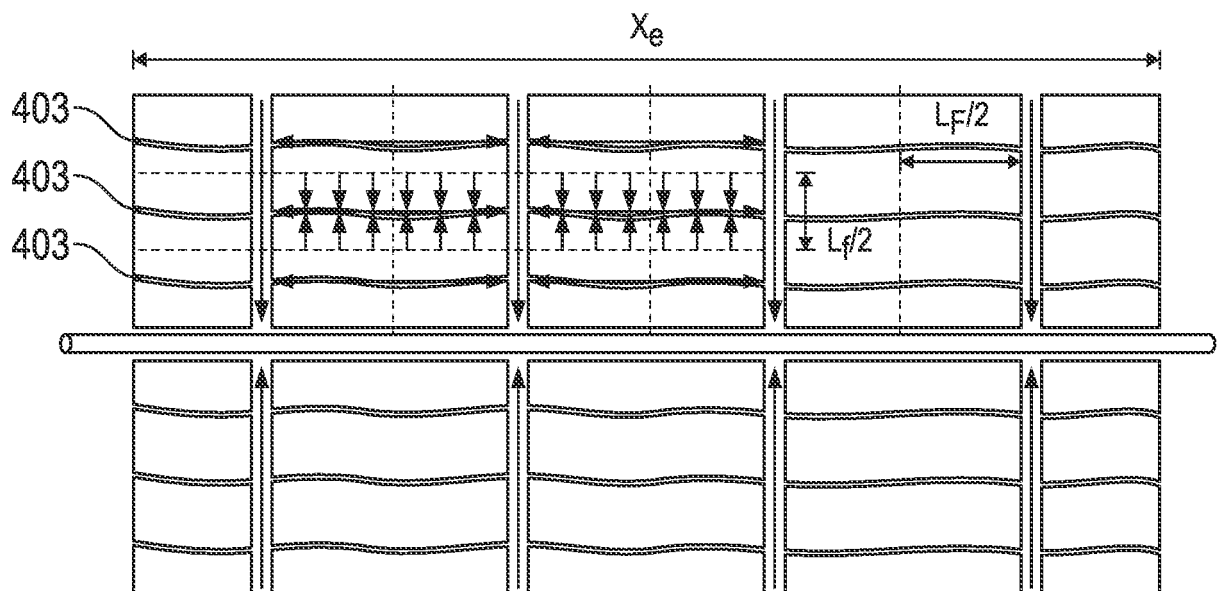


FIG. 4B

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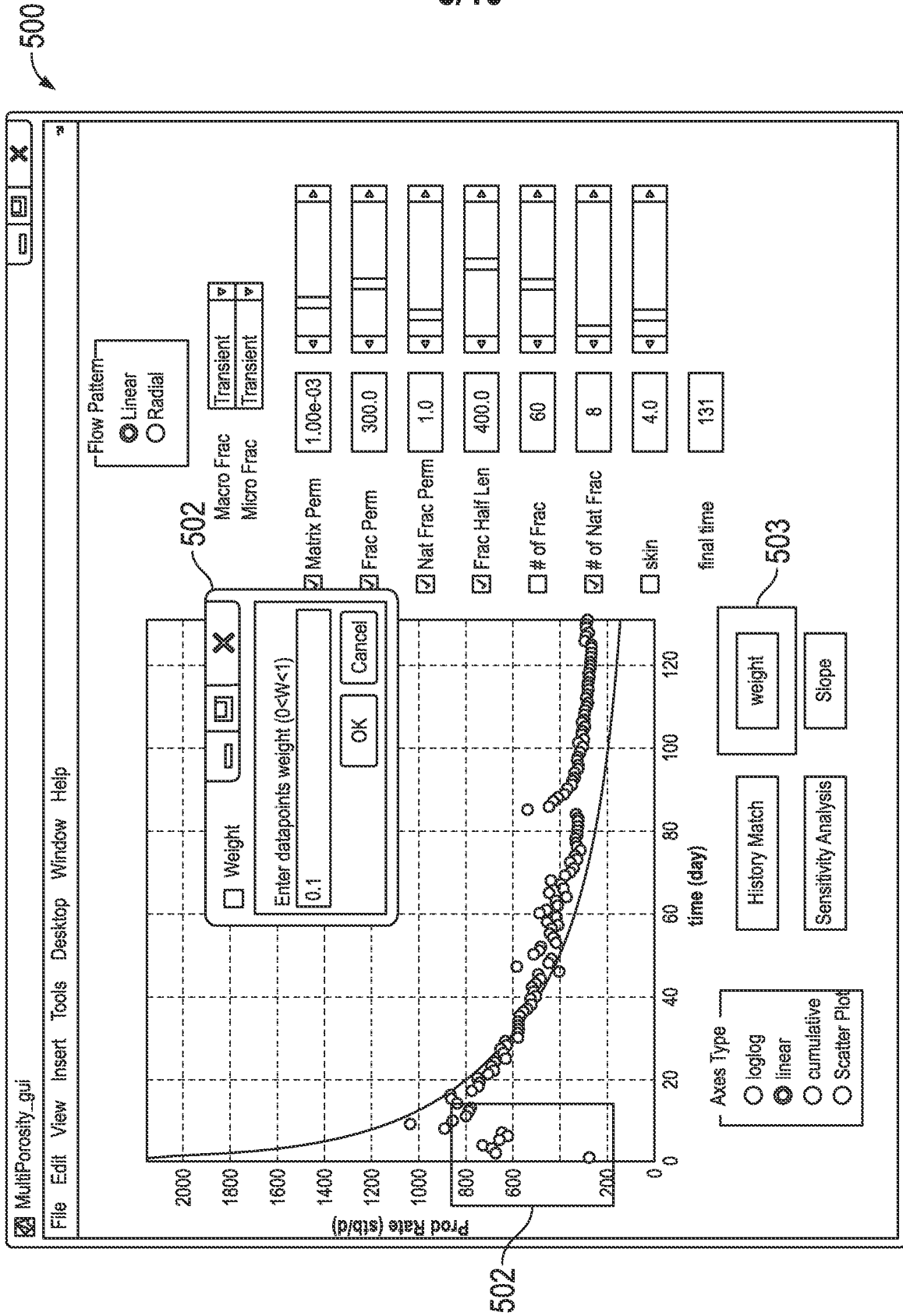
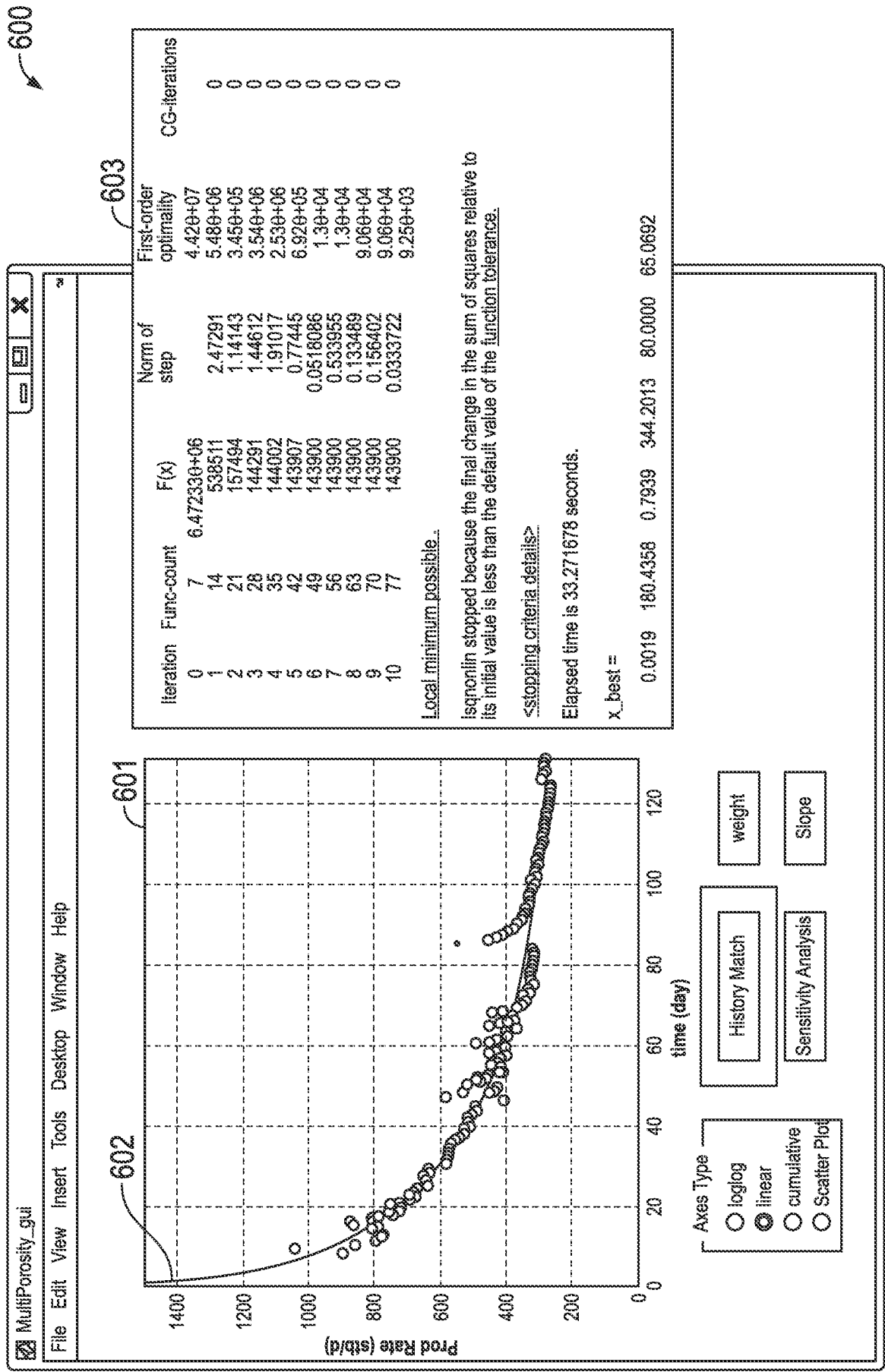


FIG. 5



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$$AIC = n \ln(SSR/n) + 2K + 2K(K+1)/(n - K - 1)$$

of data points (n) = 131

SSR : Sum of squared residual

Model	# of Param (K)	SSR	AIC	Probability model is correct
Dual Porosity	4	1.9446e5	964.98	9.9%
Triple Porosity	6	1.8220e5	960.81	79.7%
Quad Porosity	8	1.8161e5	964.88	10.4%

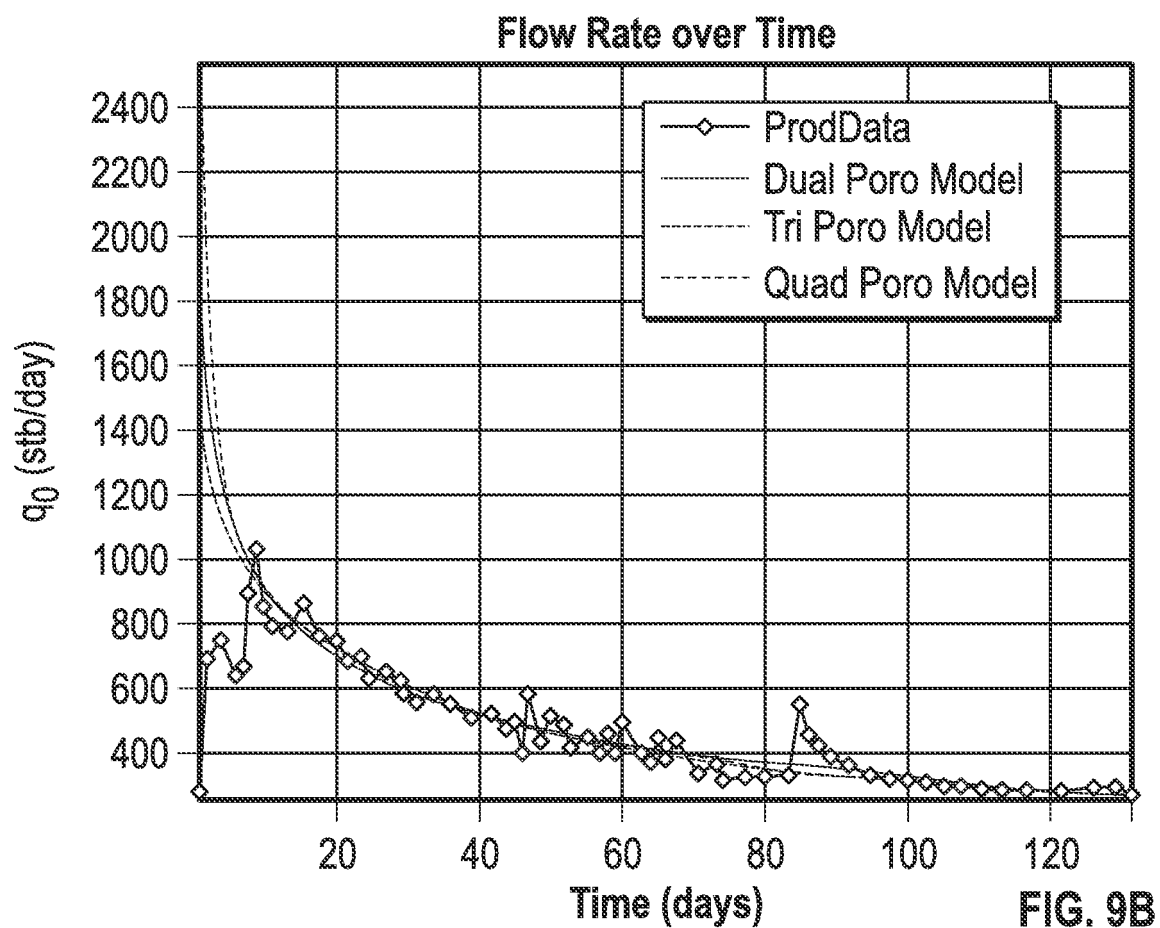
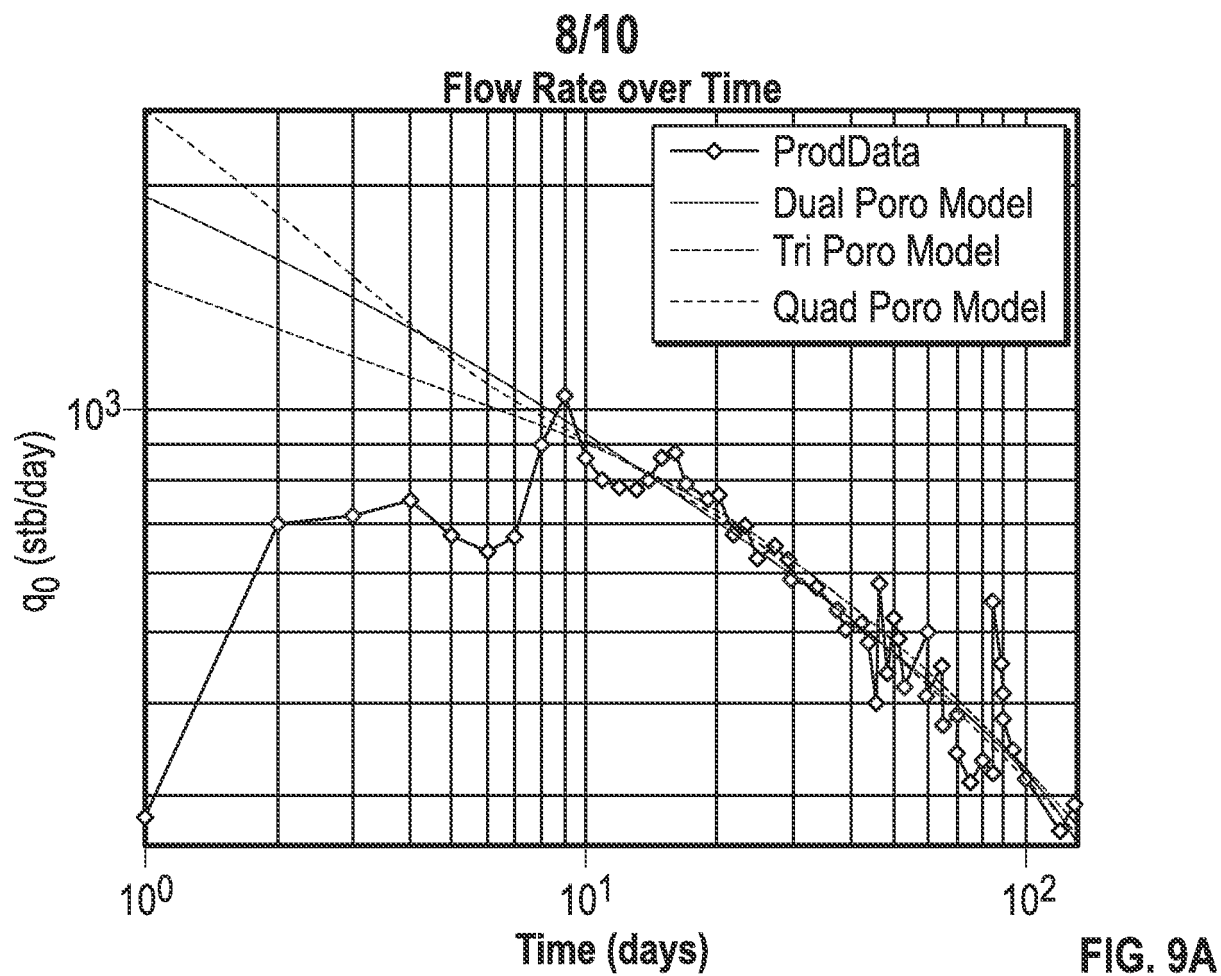
FIG. 7

$$F = \frac{(SSR_1 - SSR_2)}{(SSR_2)} \times \frac{(n - p_2)}{(p_2 - p_1)}$$

of data points (n) = 131
of parameters (p_i)

Comparison	F	P value
Dual vs Triple Porosity	4.2	1.7% < 5%
Triple vs Quad Porosity	0.18	83.8% > 5%

FIG. 8



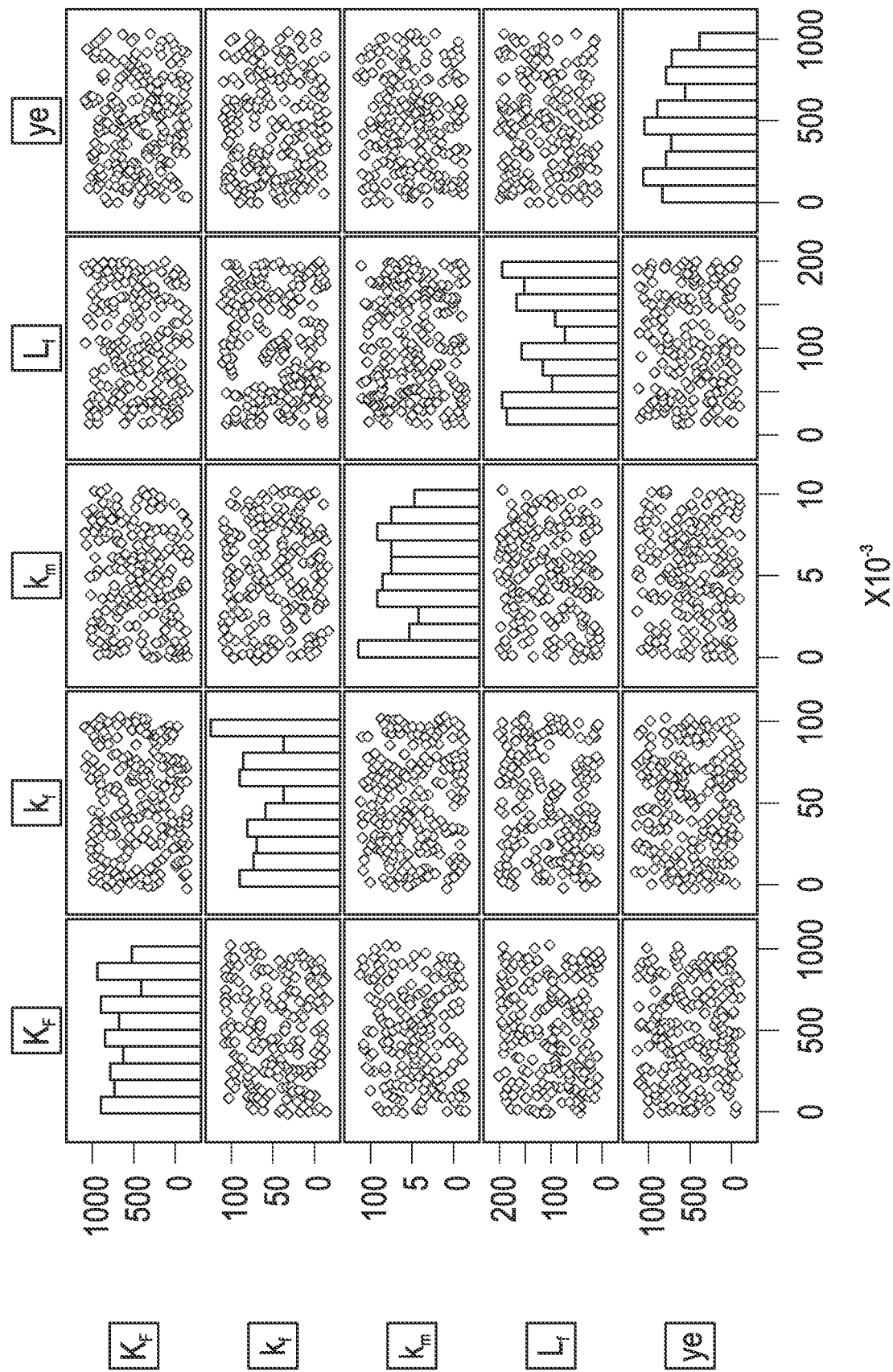


FIG. 10

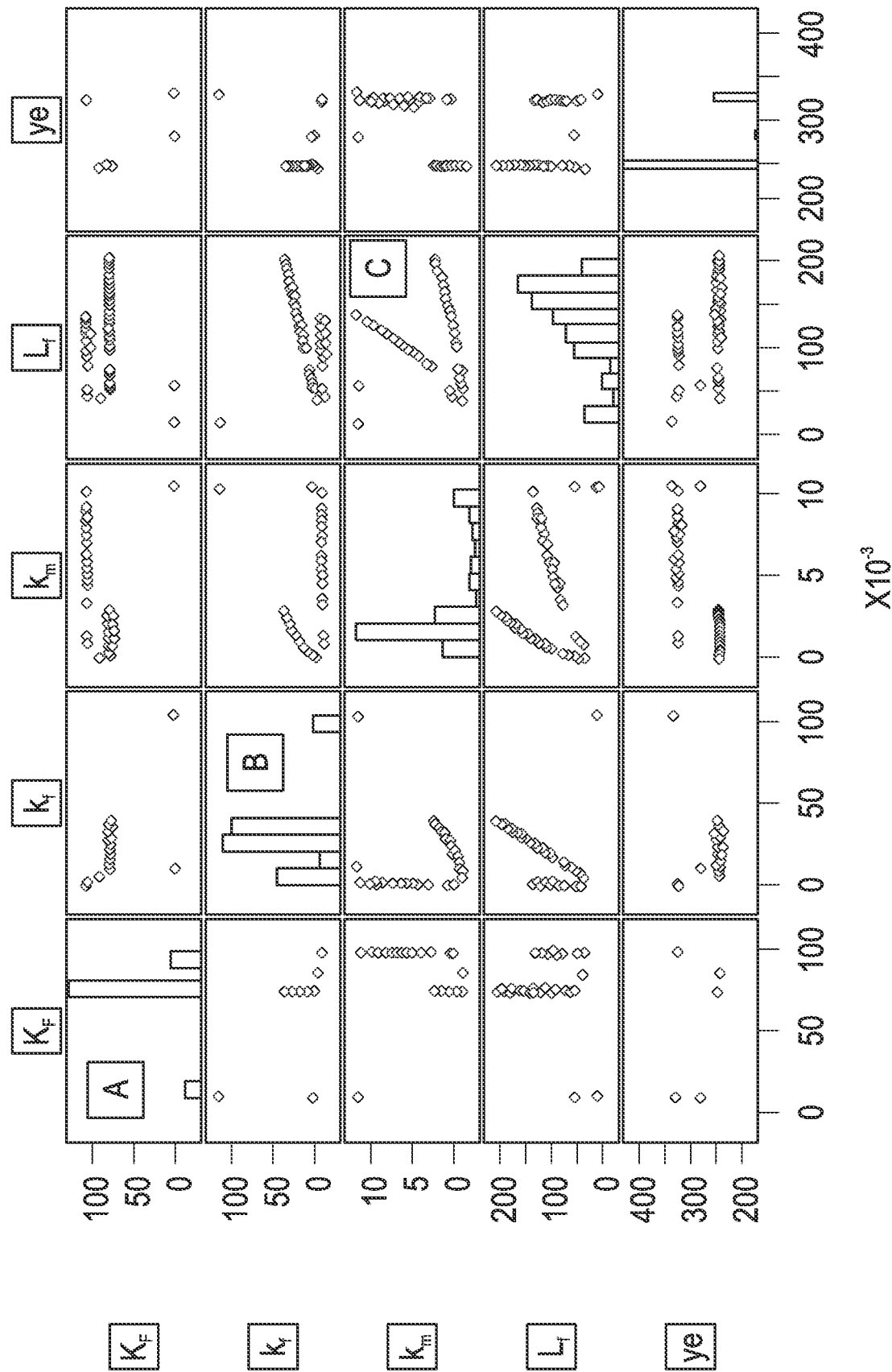


FIG. 11