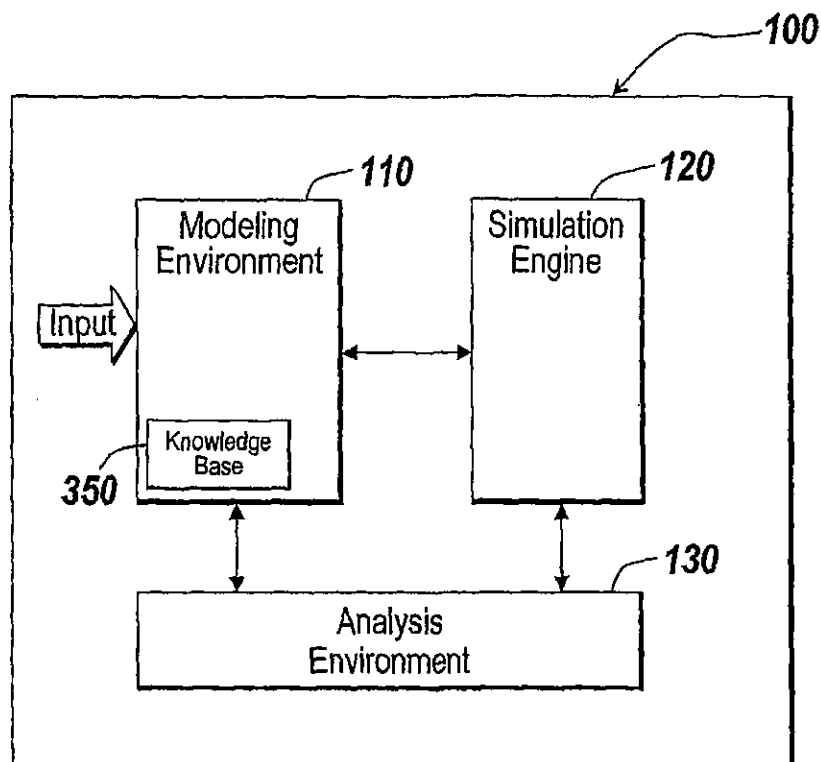
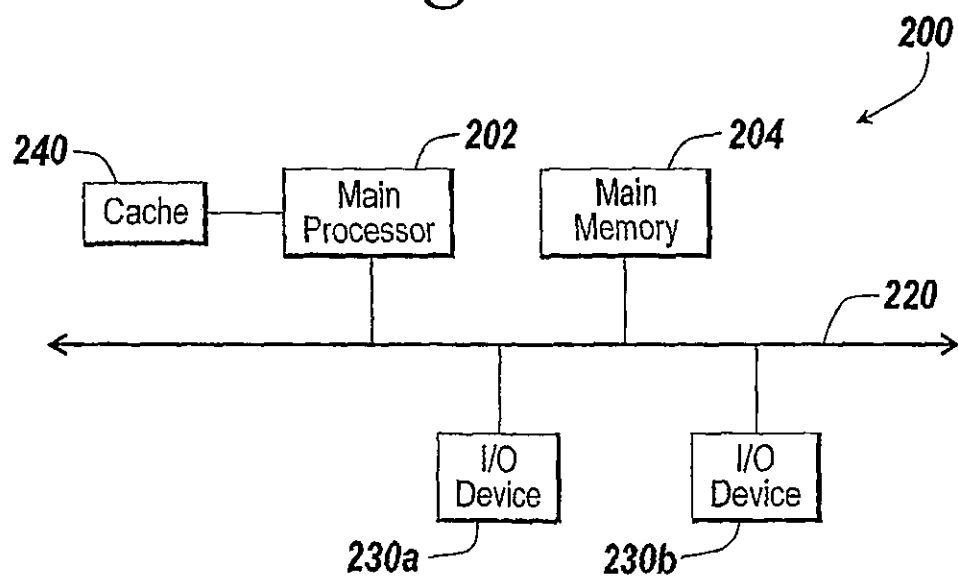
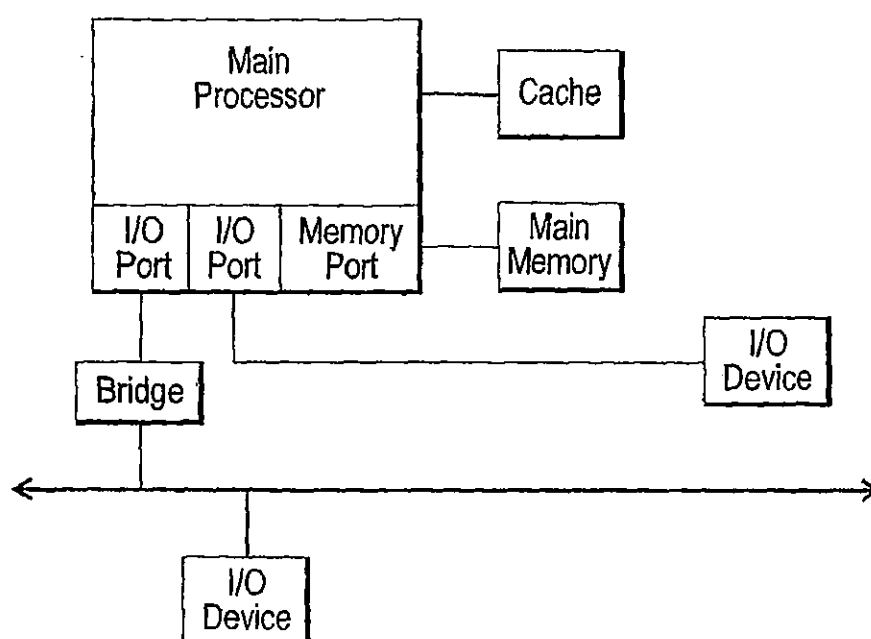


*Fig. 1**Fig. 2A*

*Fig. 2B*

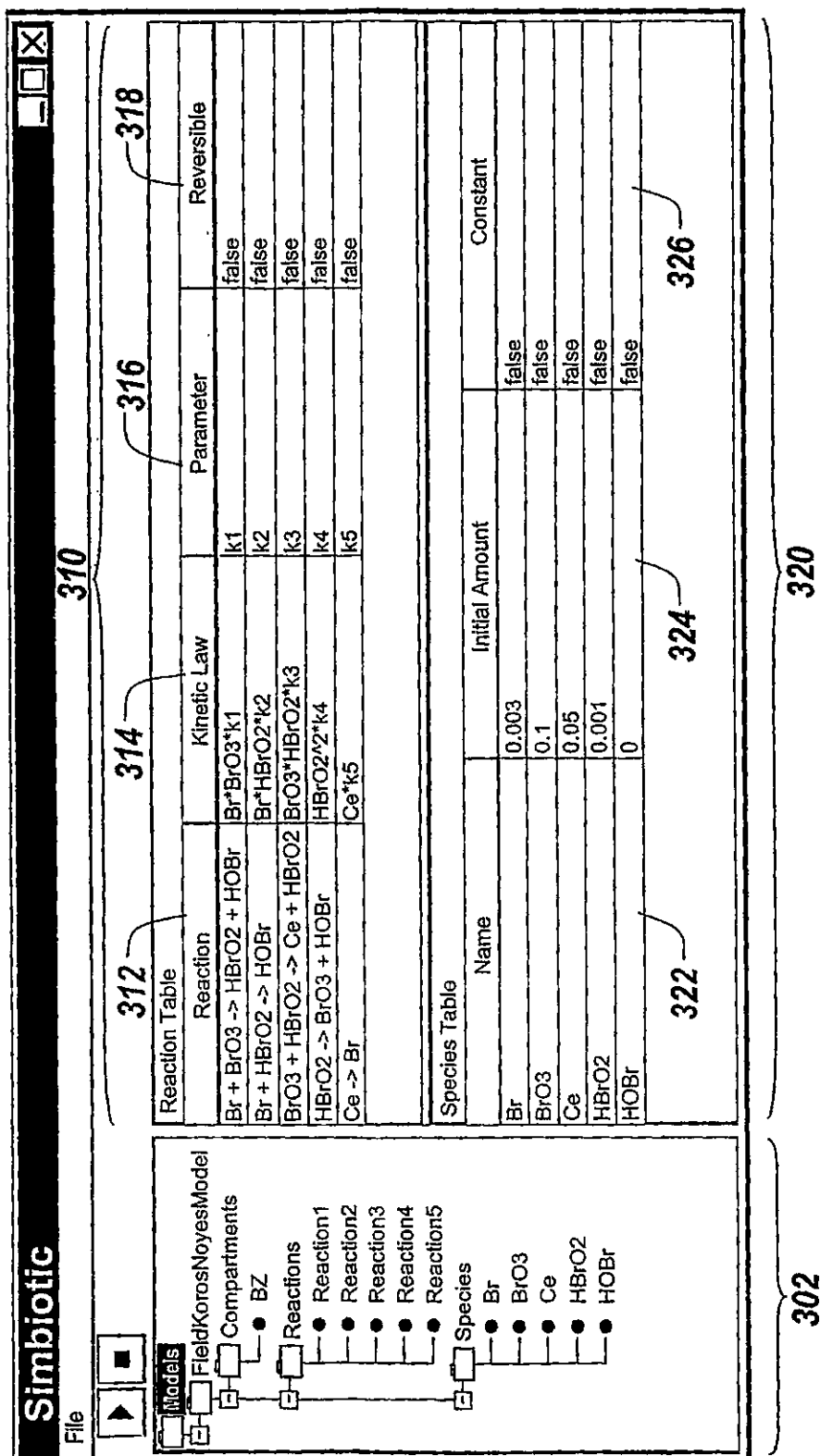


Fig. 3A

File Edit

Models

Reactions

Species

> DnaK

> FtsH

> HsiVU

> Pfold

> Protease

> Punfoided DnaK

> RNAP

> mRNA_DnaK

> mRNA_Fish

> mRNA_HsiVU

> mRNA_Protease

> mRNA_s32

> null

Reaction Table

Reaction	Kinetic Law	Parameter	Reversible
s70 + RNAP -> s70:RNAP	Mass Action	K	true
pg + s70:RNAP -> s70:RN..	Mass Action	K	true
s70:RNAP:pg -> mRNA_s32	Mass Action	K	true
mRNA_s32 -> null	Mass Action	K	false
mRNA_s32 -> s32	Mass Action	K	true
s32 -> null	Mass Action	K	false
s32 + RNAP -> s32:RNAP	Mass Action	K	true
ph + s32:RNAP -> s32:RN..	Mass Action	K	true
s32:RNAP:ph -> mRNA_DnaK	Mass Action	K	true
mRNA_DnaK -> null	Mass Action	K	false
mRNA_DnaK -> DnaK	Mass Action	K	true
DnaK -> null	Mass Action	K	false
s32 + DnaK -> s32:DnaK	Mass Action	K	true
Punfoided + DnaK -> Punfo...	Mass Action	K	true
Punfoided:DnaK + Pfolded ...	Mass Action	K	true
Pfolded -> Punfoided	Mass Action	K	true
s32:RNAP:ph -> mRNA_Fish	Mass Action	K	true
mRNA_Fish -> null	Mass Action	K	false
mRNA_Fish -> Fish	Mass Action	K	true
Fish -> null	Mass Action	K	false
s32:RNAP:ph -> mRNA_HsiVU	Mass Action	K	true
mRNA_HsiVU -> null	Mass Action	K	false
mRNA_HsiVU -> HsiVU	Mass Action	K	true
HsiVU -> null	Mass Action	K	false
s32:RNAP:ph -> mRNA_Pro...	Mass Action	K	true

Species Table

Name	Initial Amount	Constant
DnaK	0	false
Fish	0	false
HsiVU	0	false
Pfolded	17800	false
Protease	0	false
Punfoided	0	false
Punfoided:DnaK	0	false
RNAP	1337.6174	false
mRNA_DnaK	0	false
mRNA_Fish	0	false
mRNA_HsiVU	0	false
mRNA_Protease	0	false
mRNA_s32	0	false
null	0	false

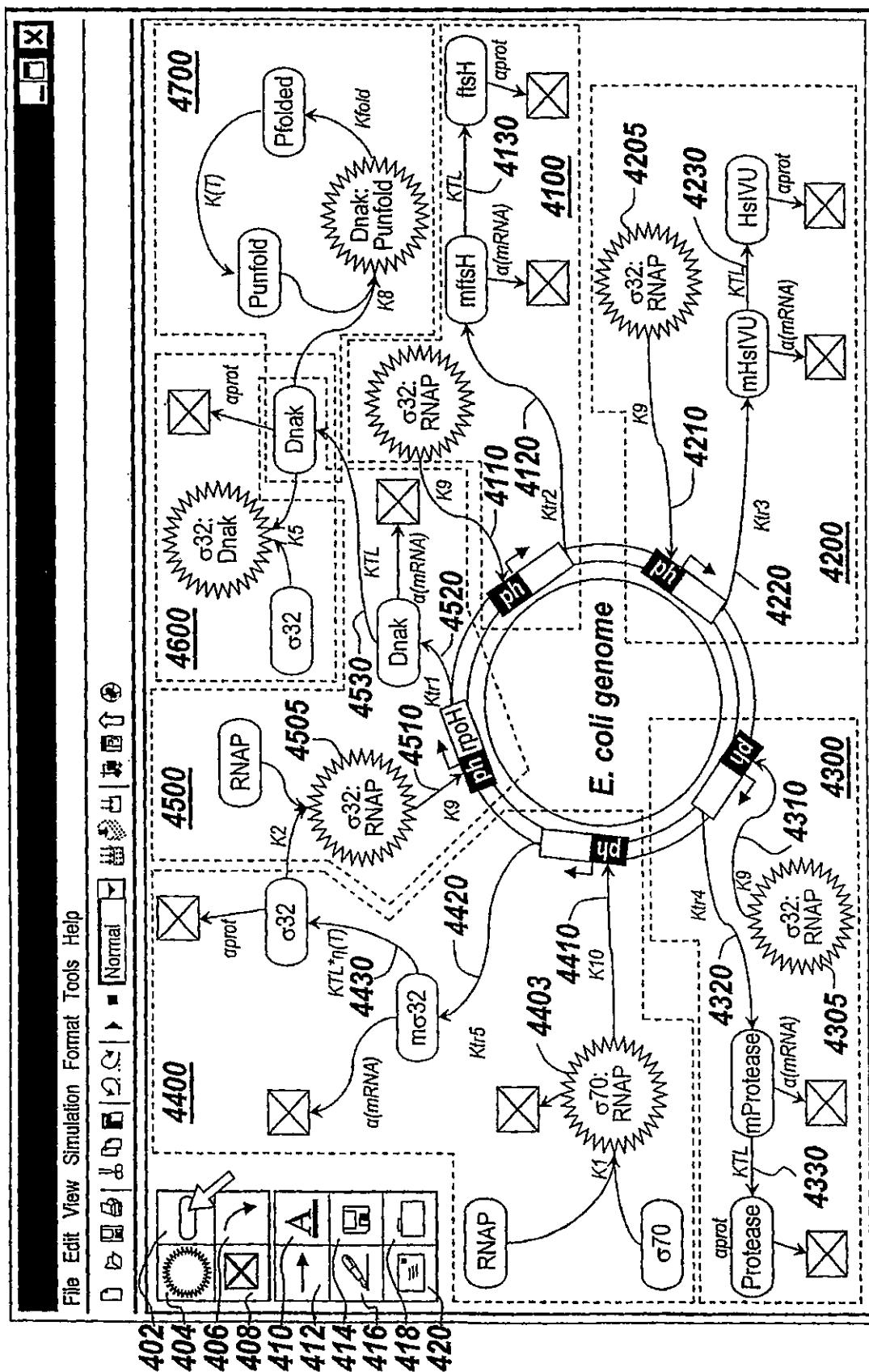
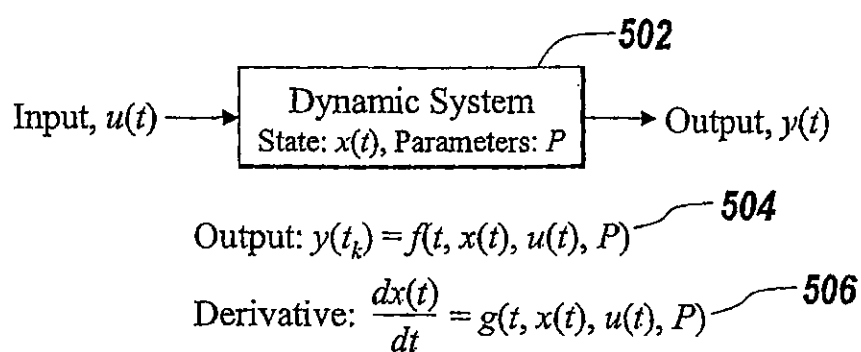
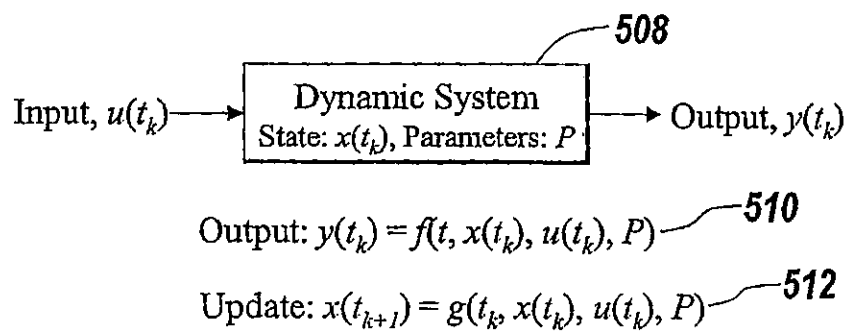
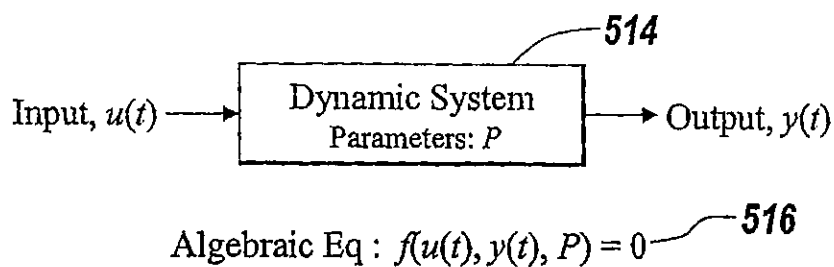
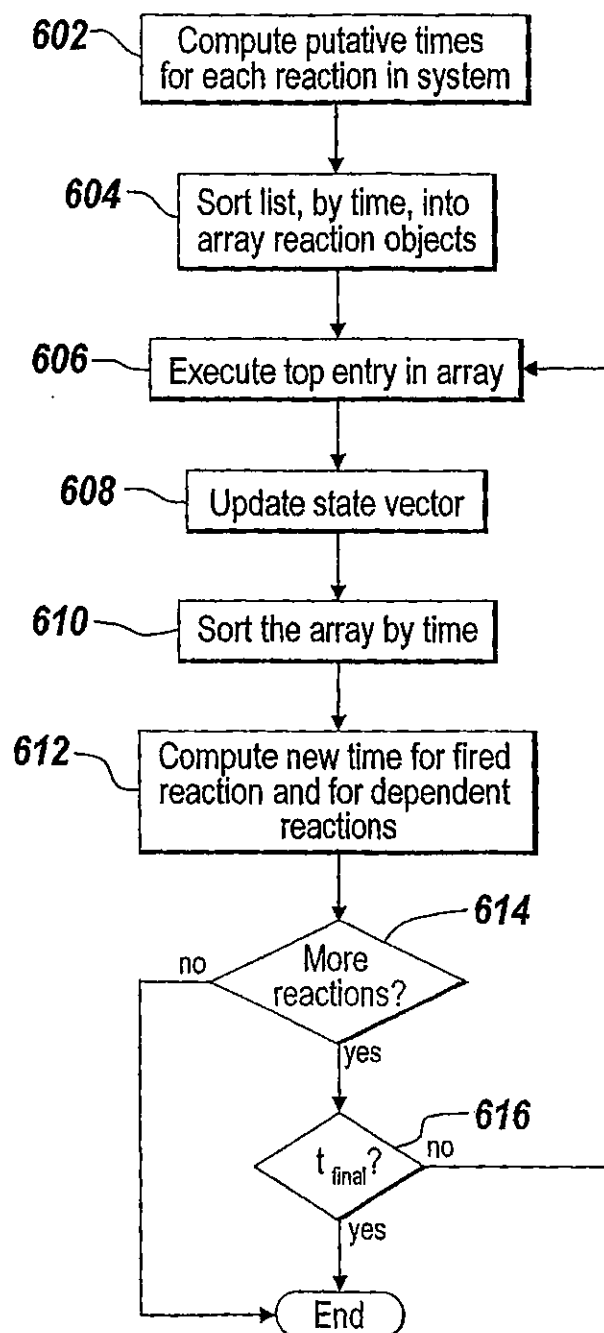
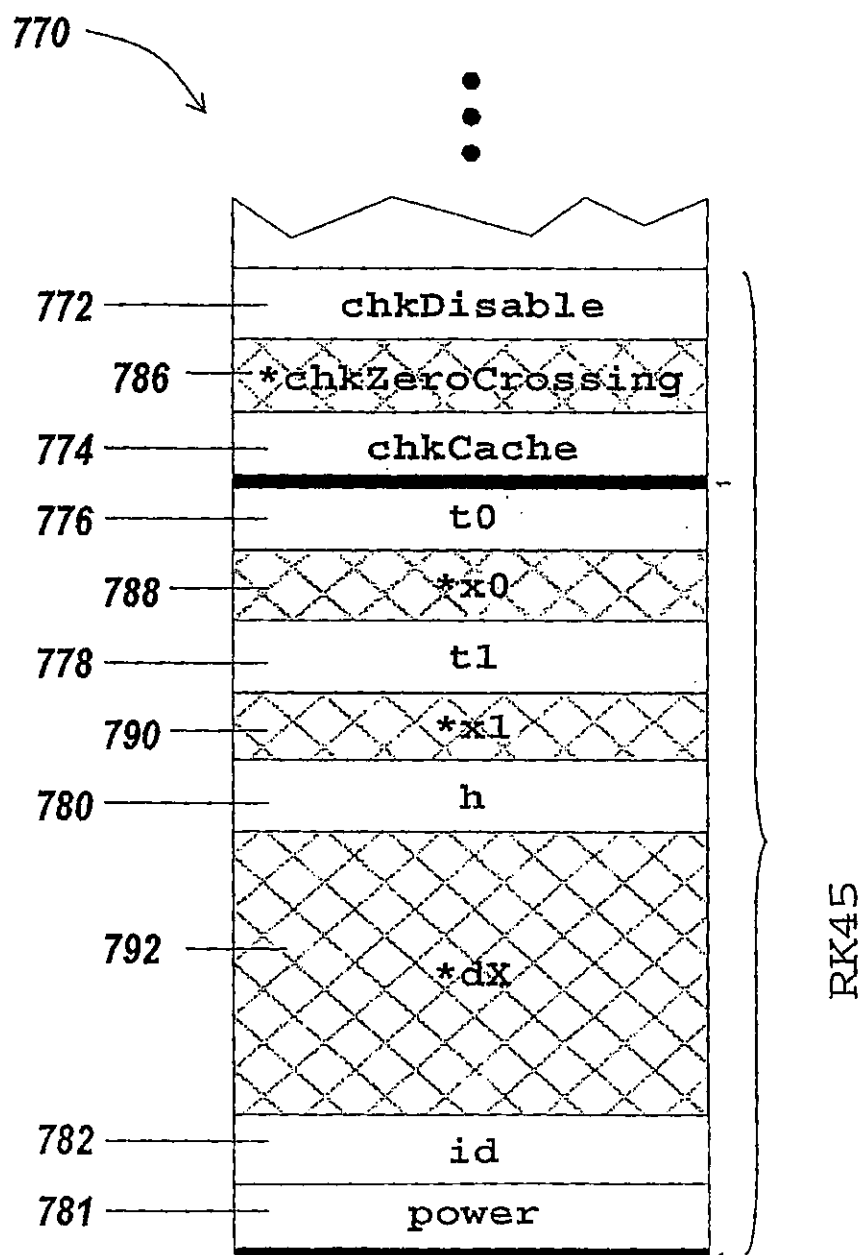


Fig. 4

*Fig. 5A**Fig. 5B**Fig. 5C*

*Fig. 6*

*Fig. 7*

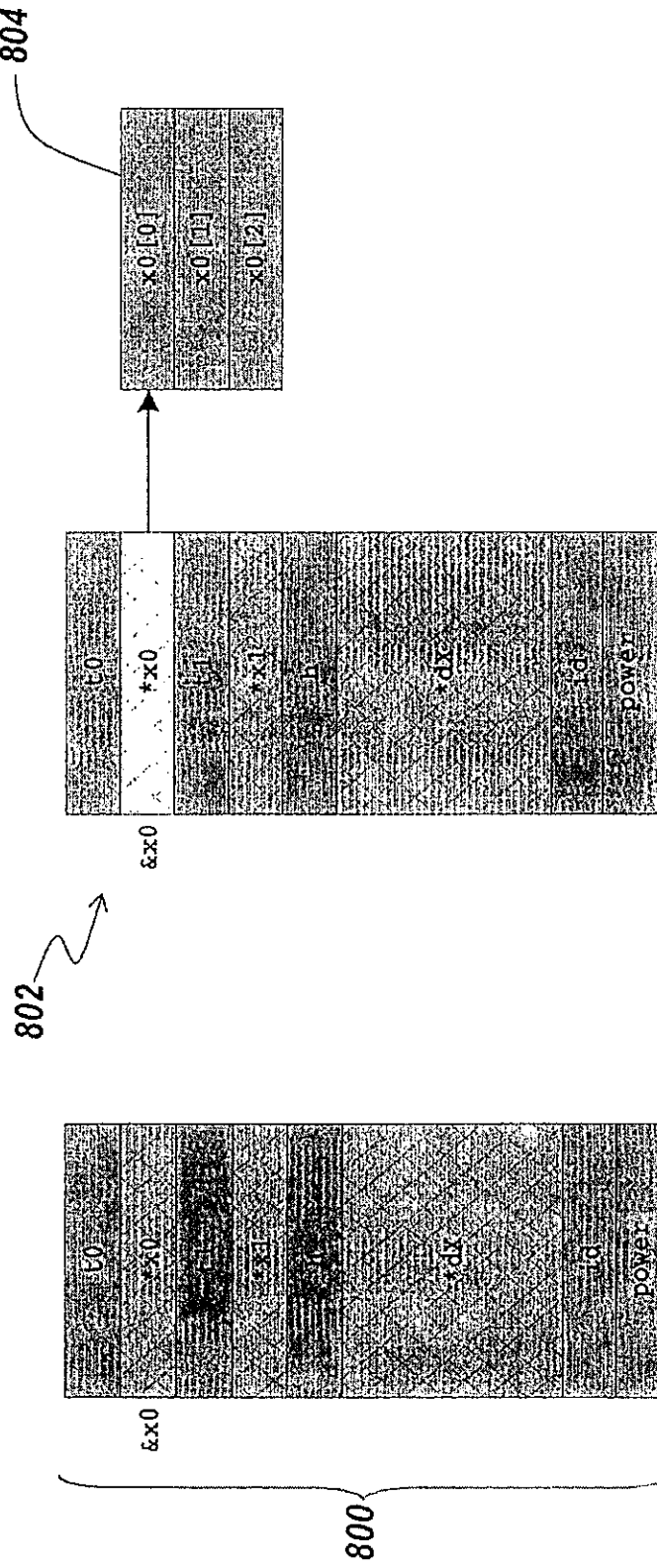


Fig. 8B

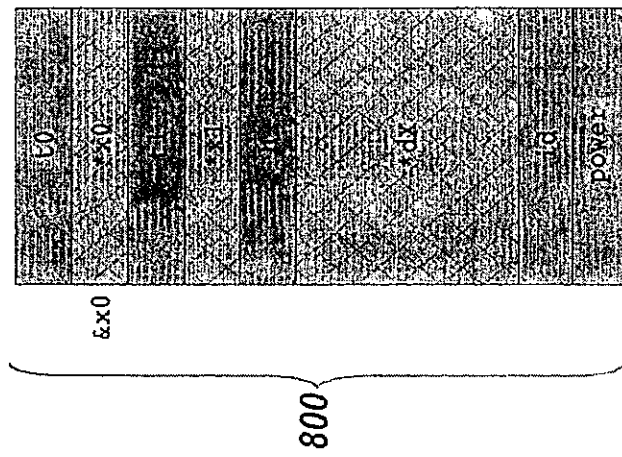
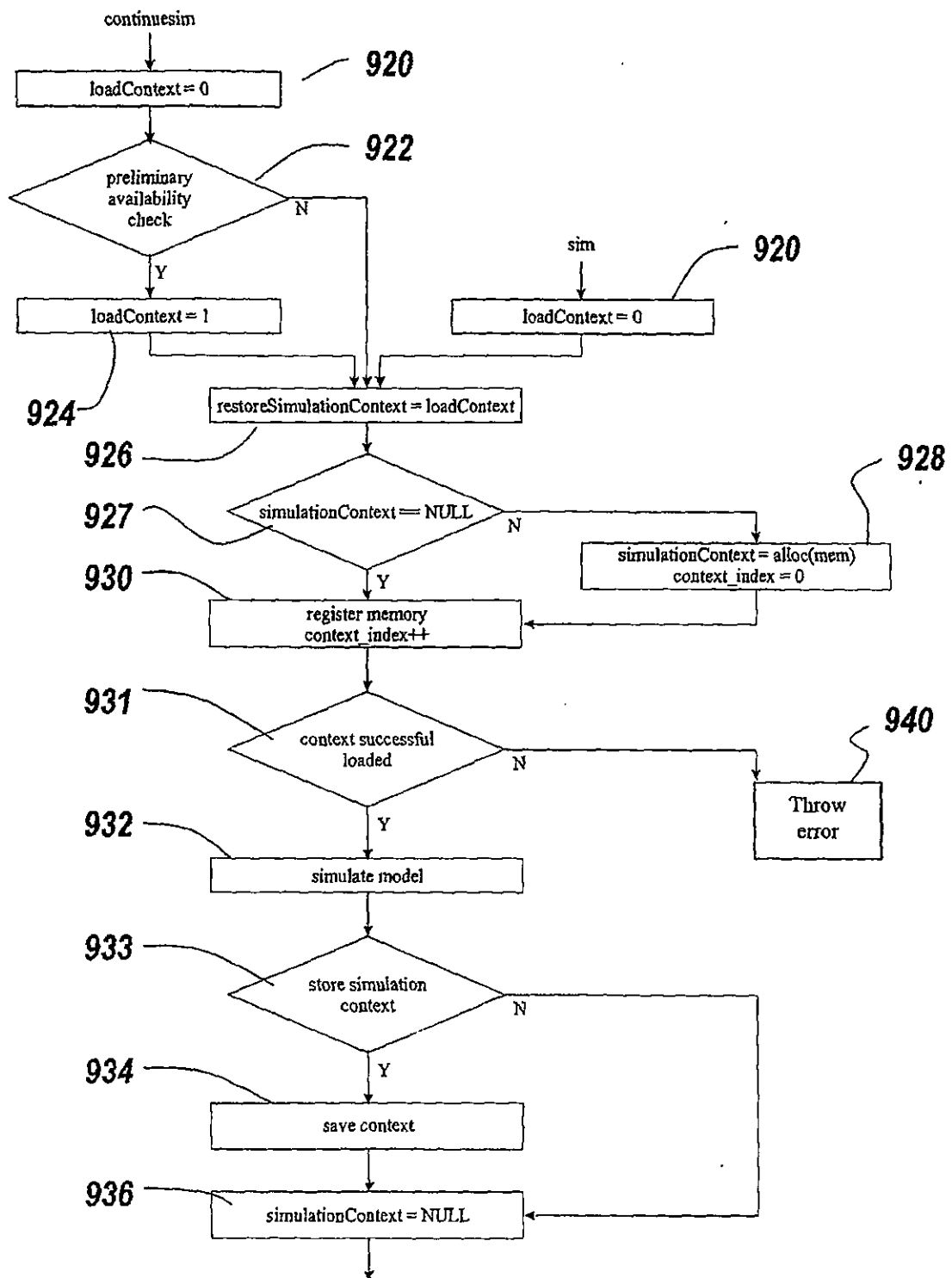


Fig. 8A

*Fig. 9*