

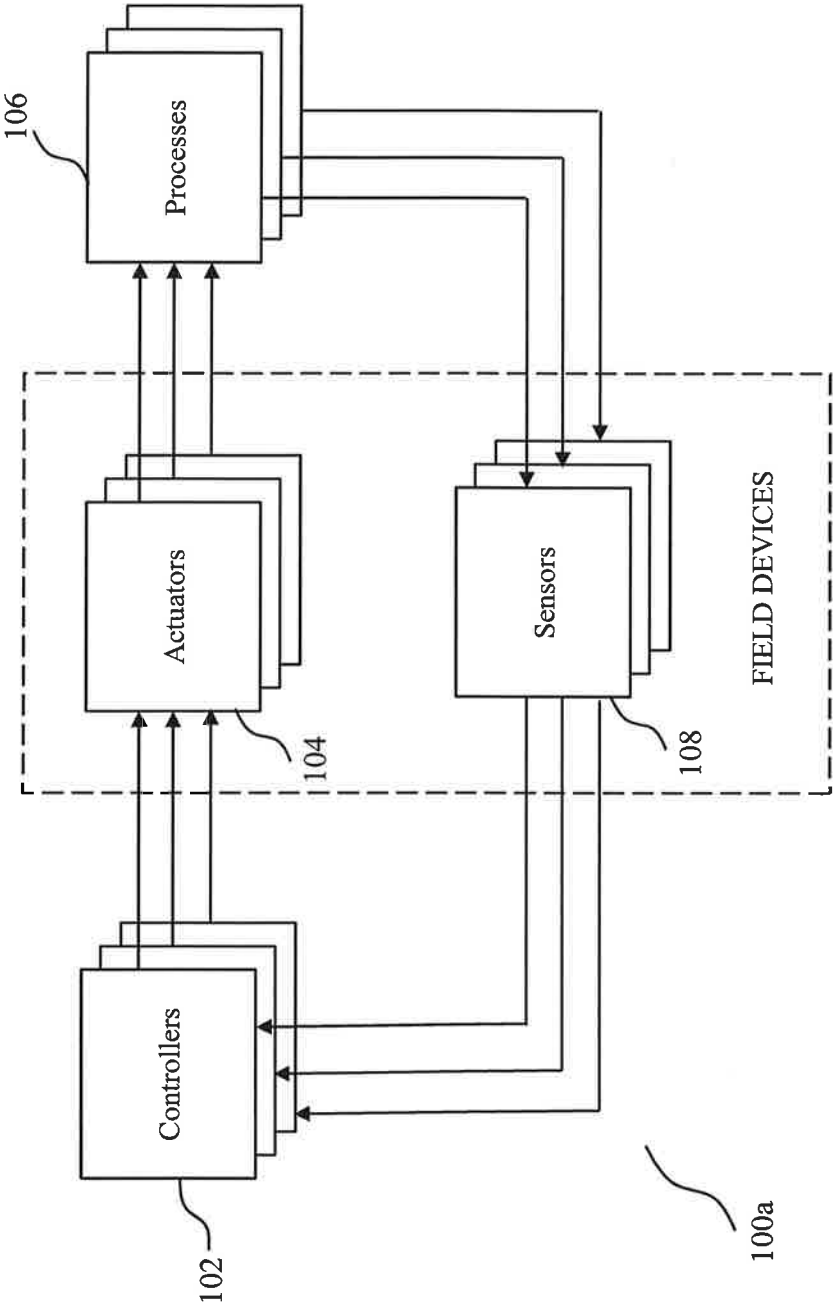


FIGURE 1A

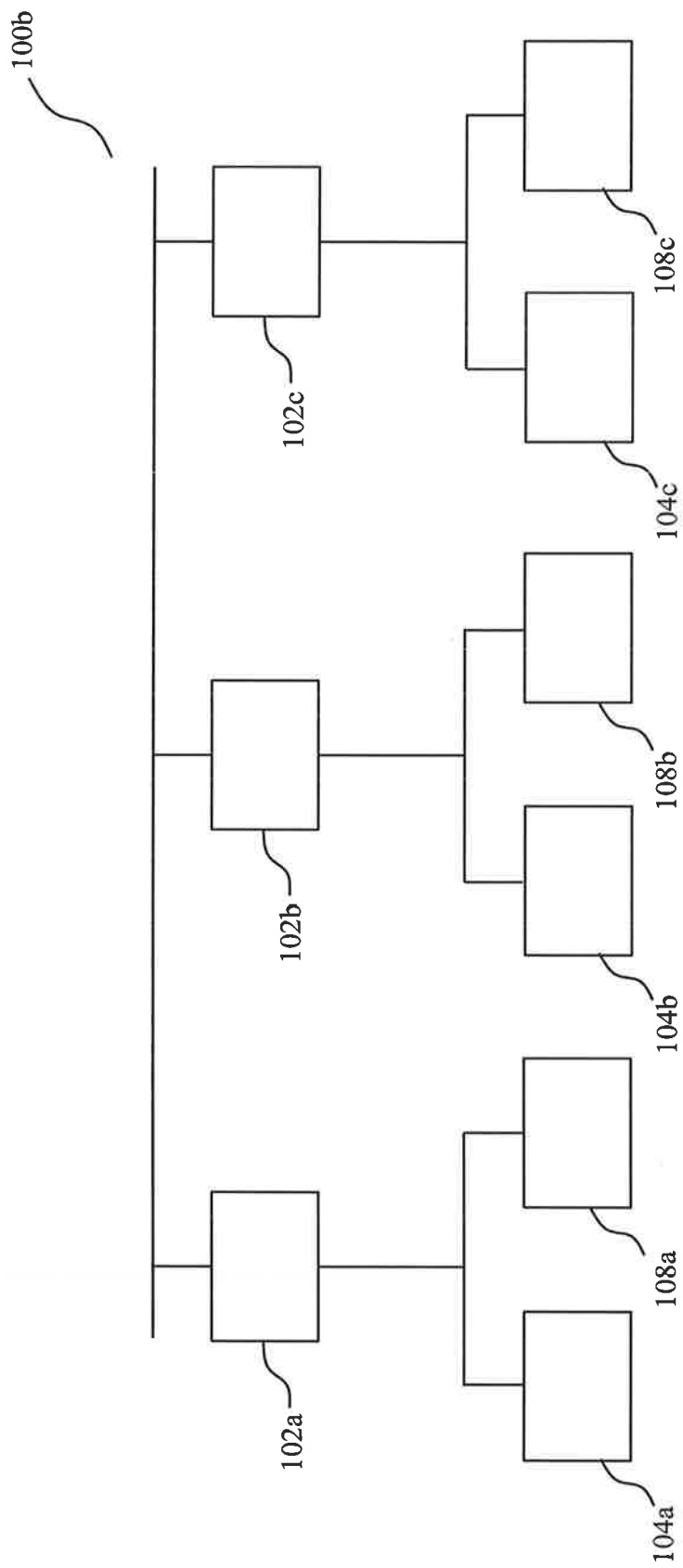


FIGURE 1B

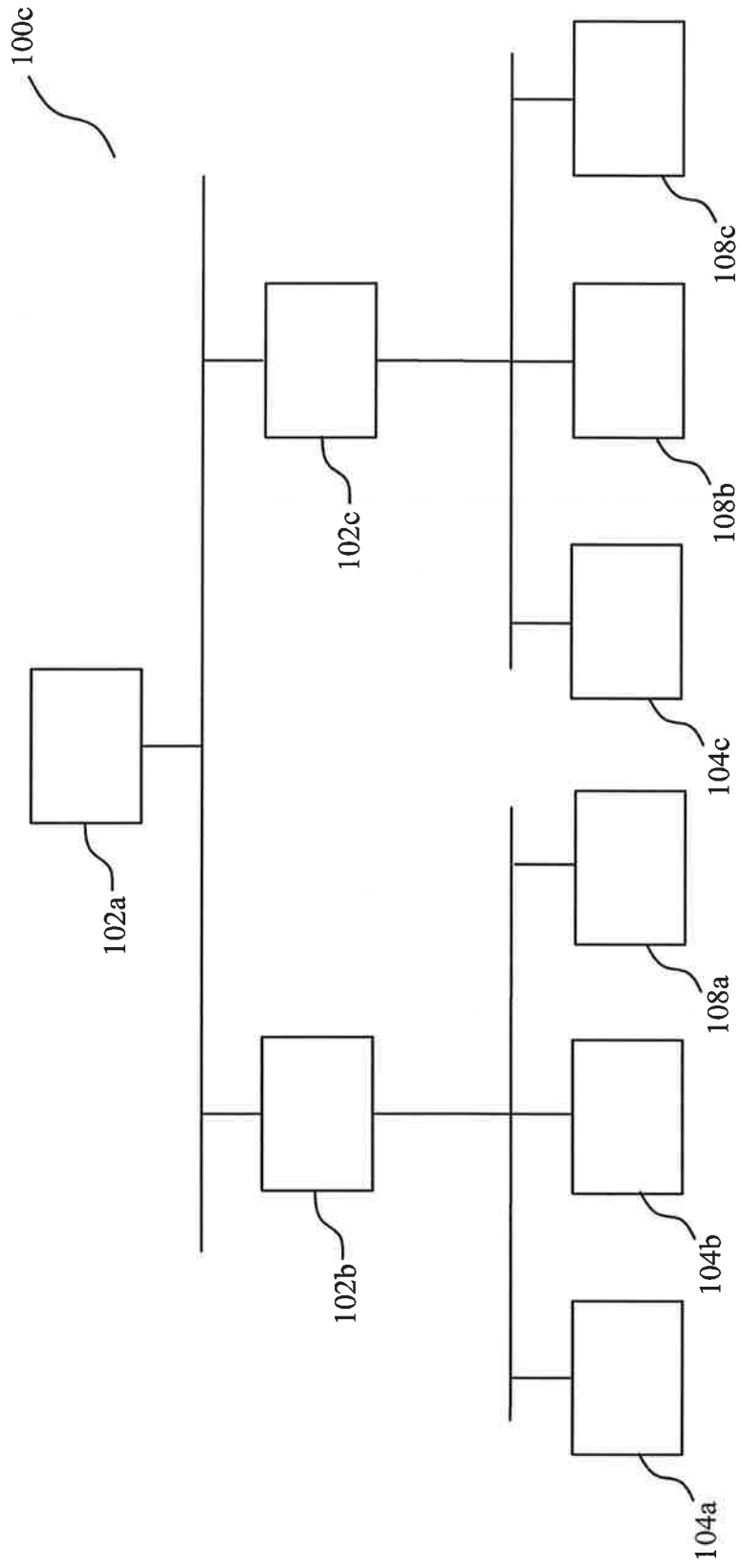
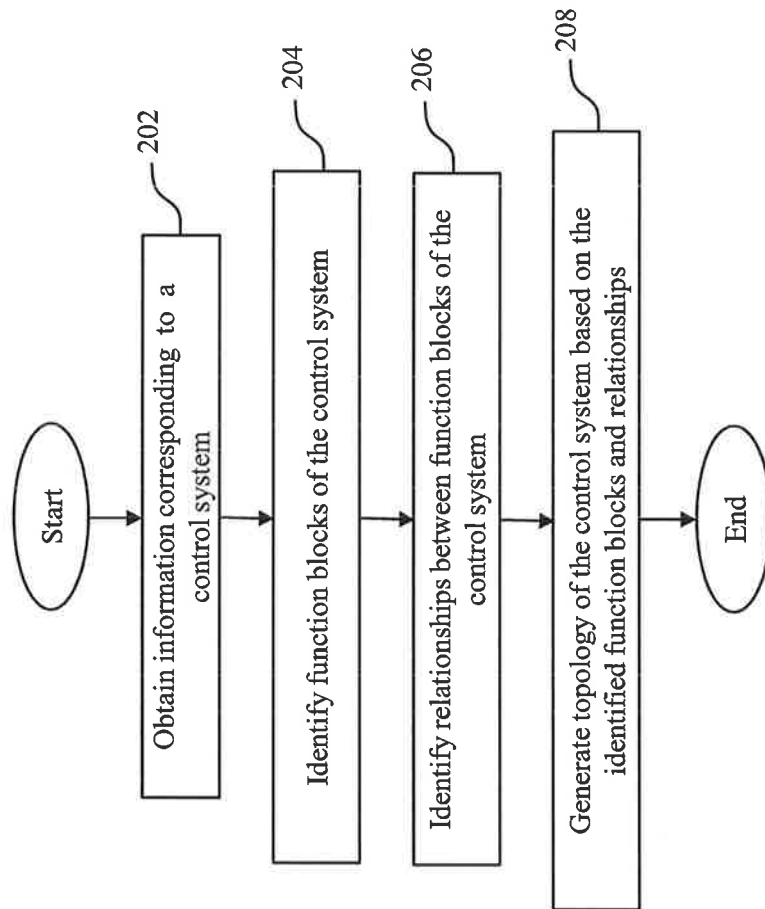


FIGURE 1C

**FIGURE 2**

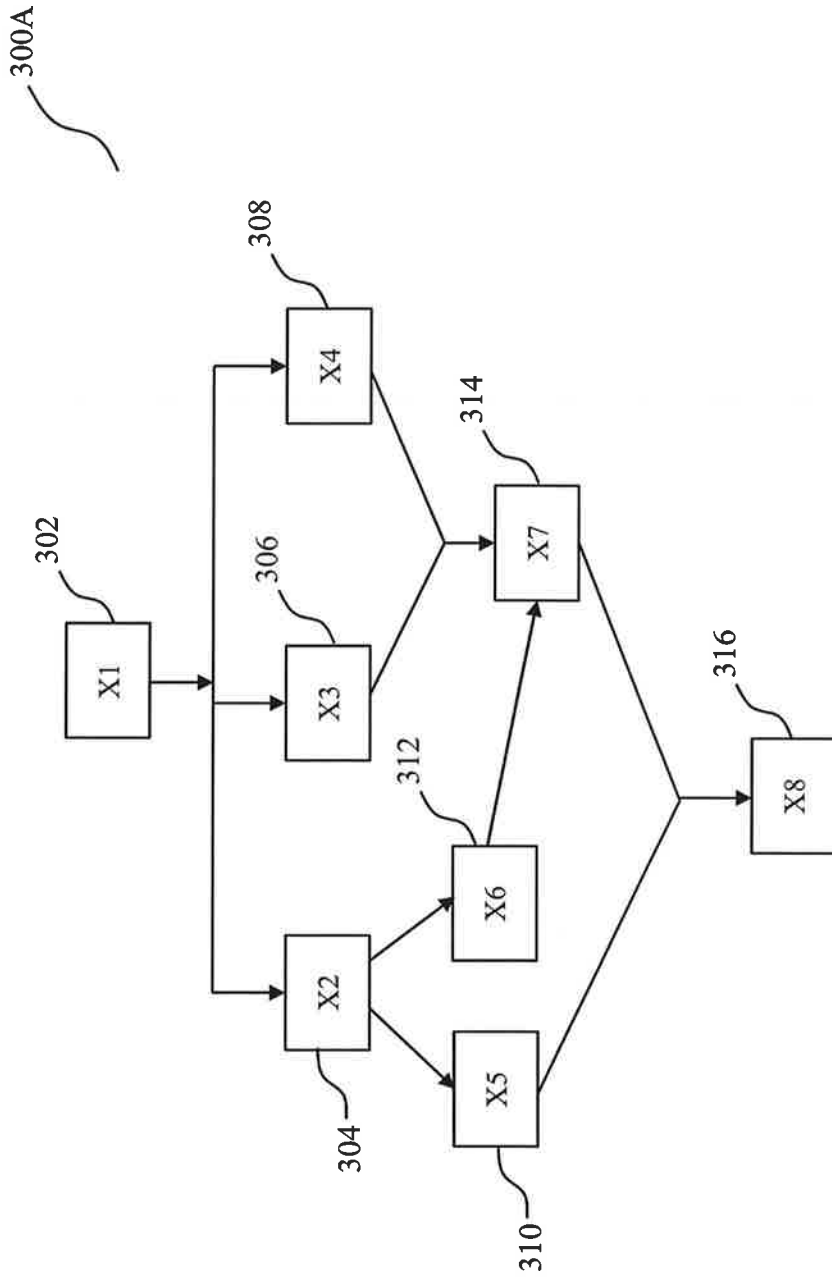
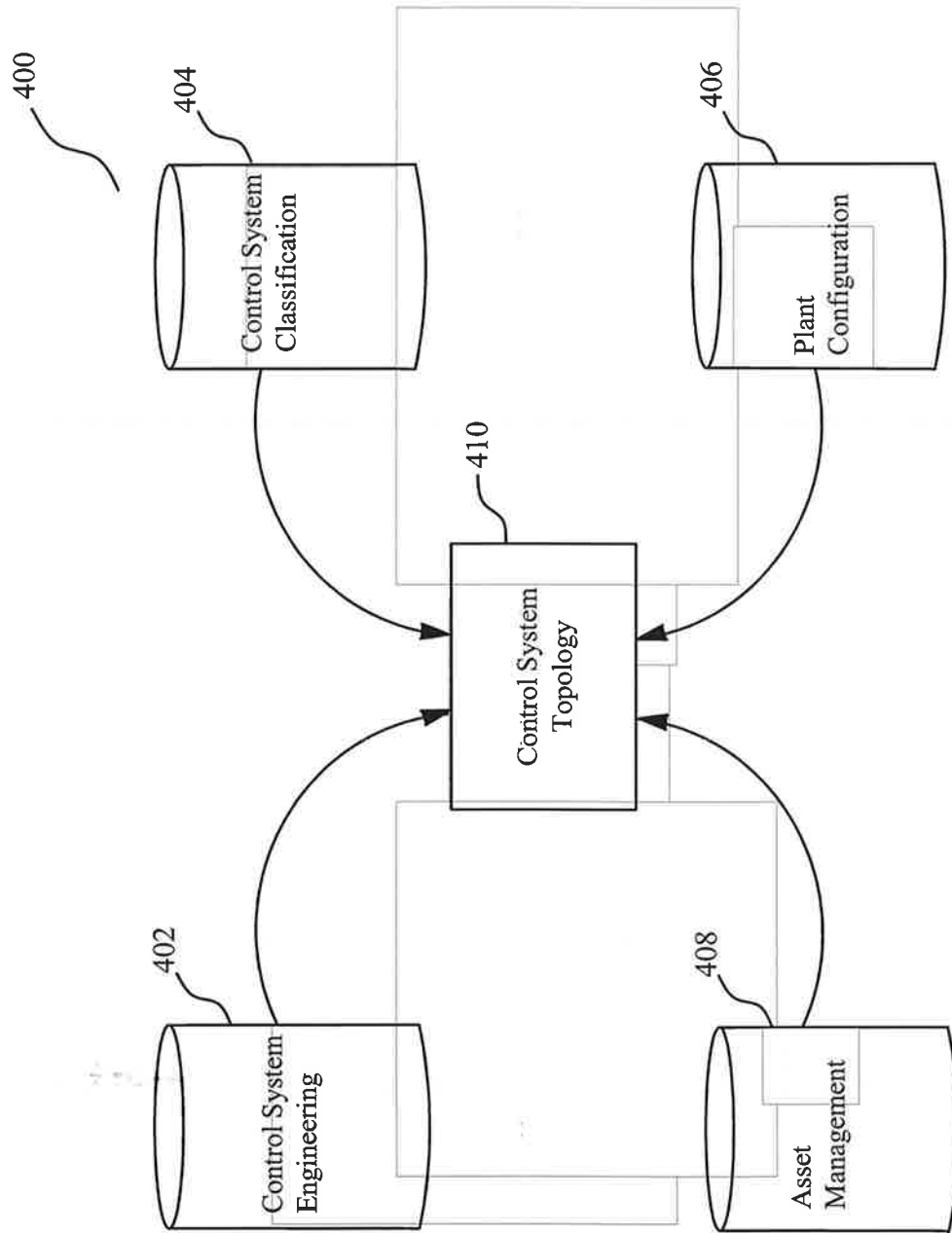


FIGURE 3A

	FROM NODE	TO NODE
1	302	304
2	302	306
3	302	308
4	304	310
5	304	312
6	306	314
7	308	314
8	310	316
9	312	314
10	314	316

FIGURE 3B

**FIGURE 4**

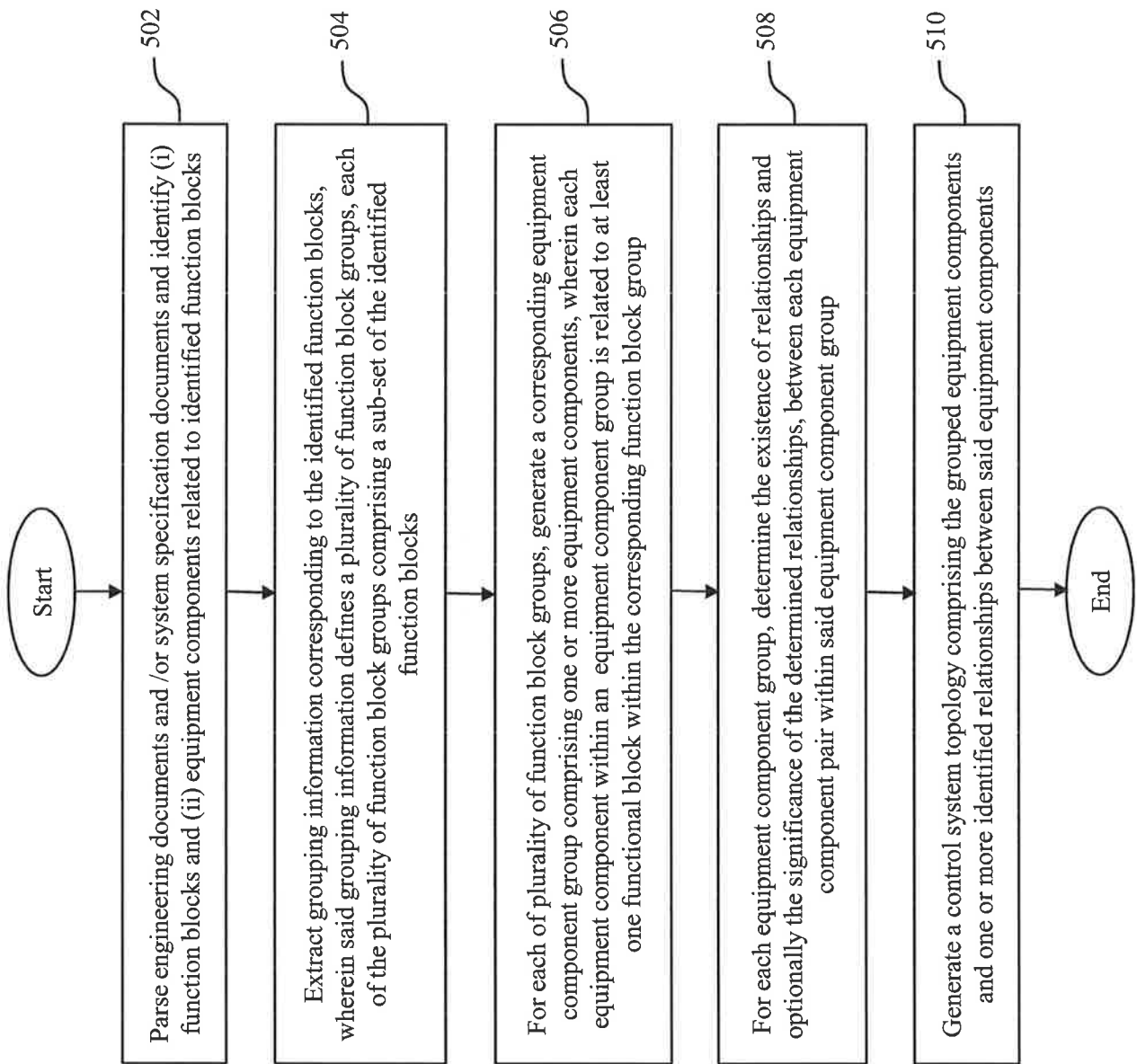


FIGURE 5

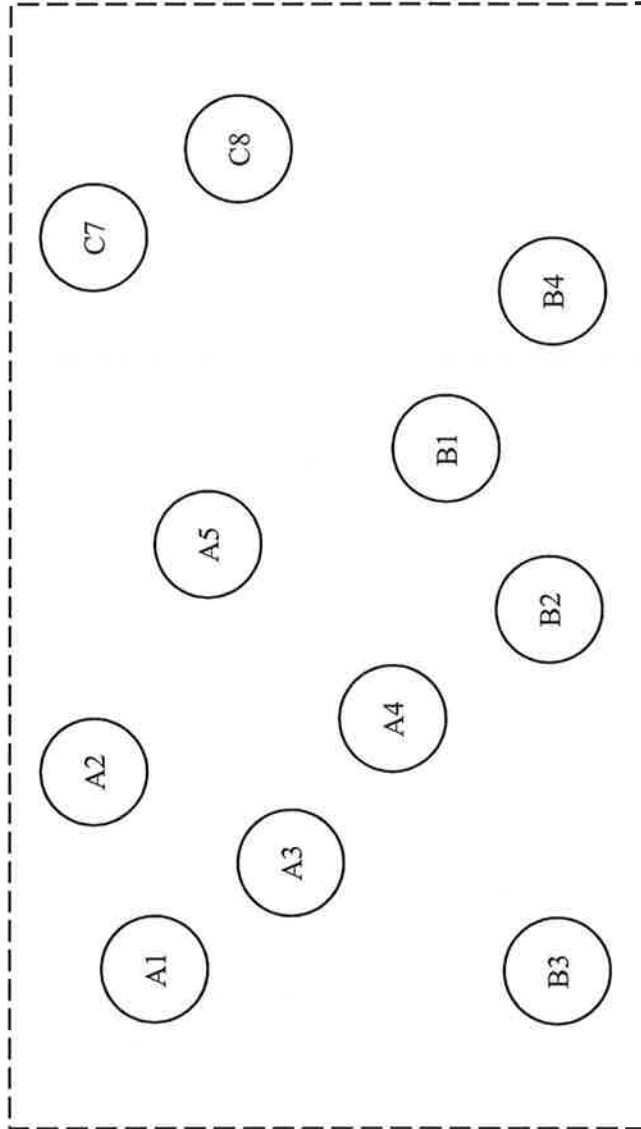


FIGURE 6A

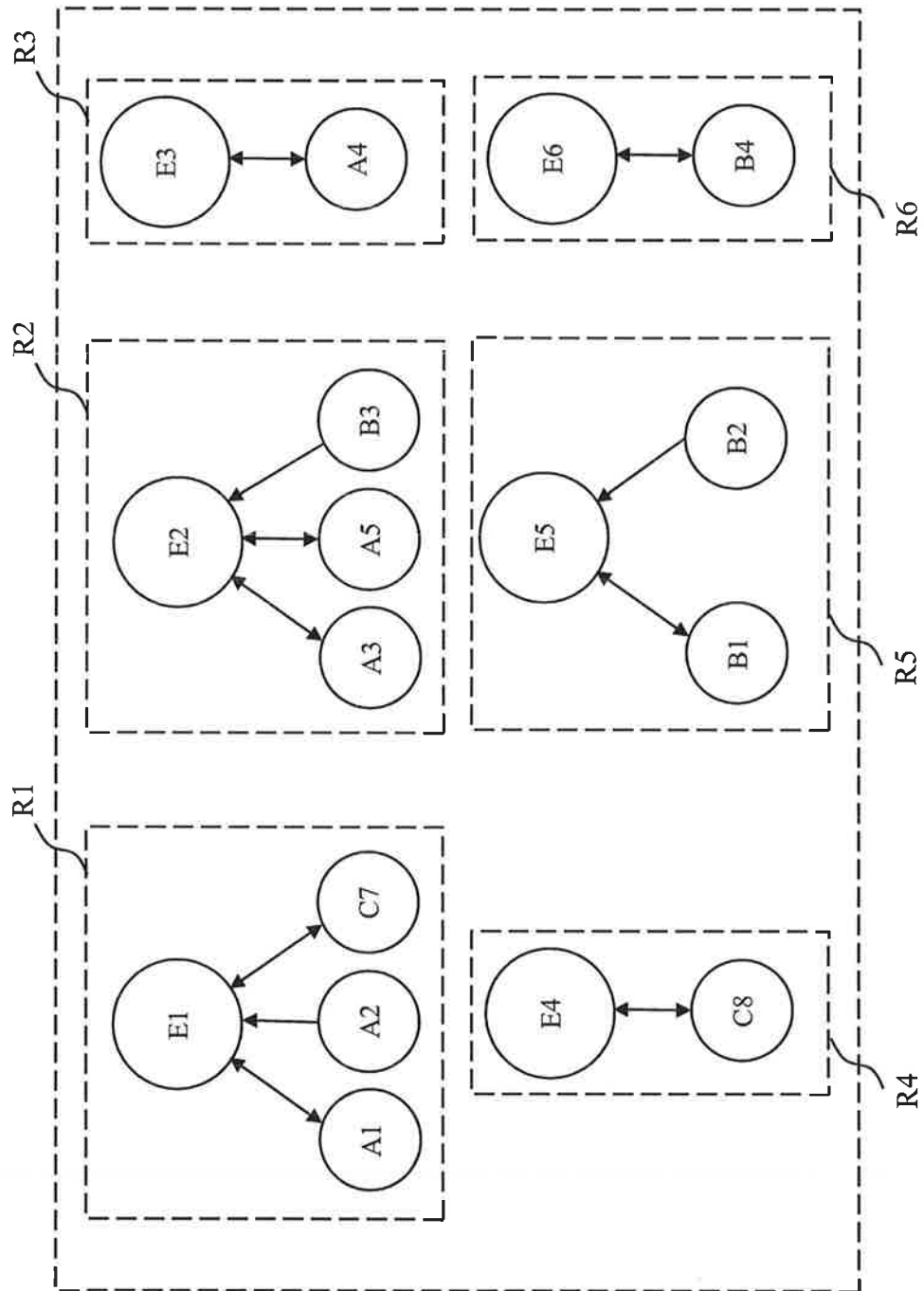


FIGURE 6B

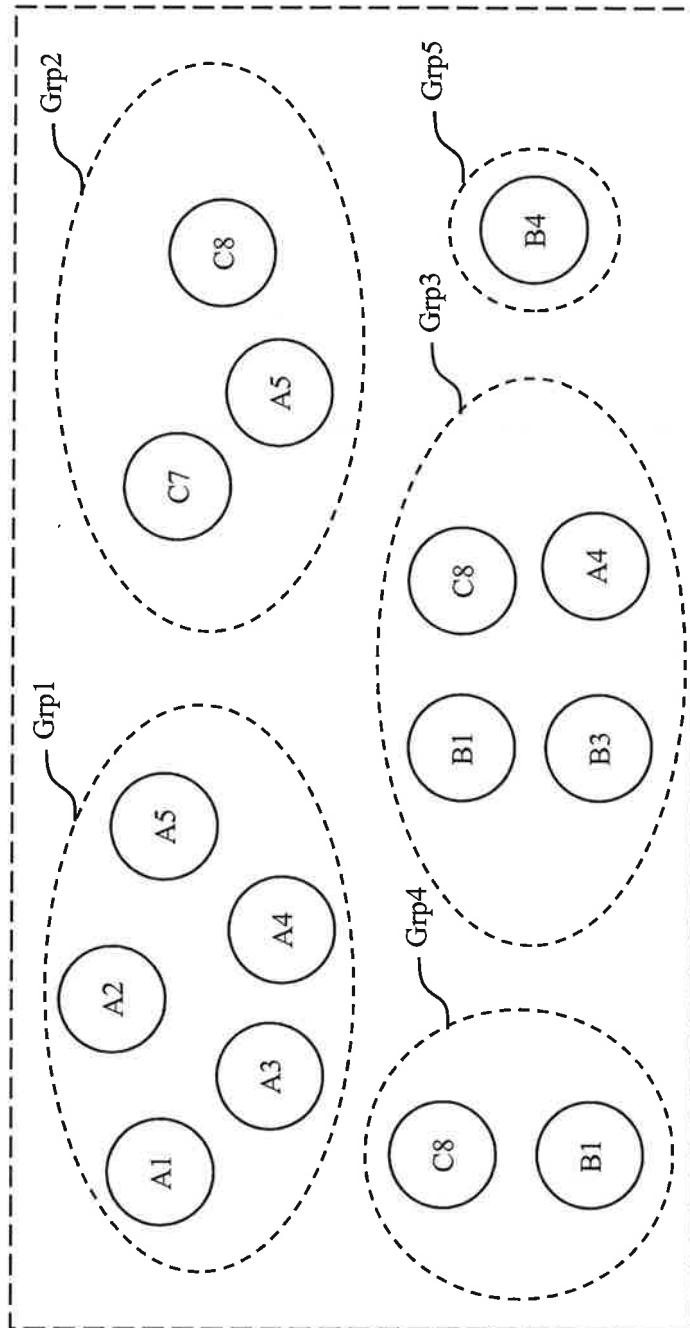


FIGURE 6C

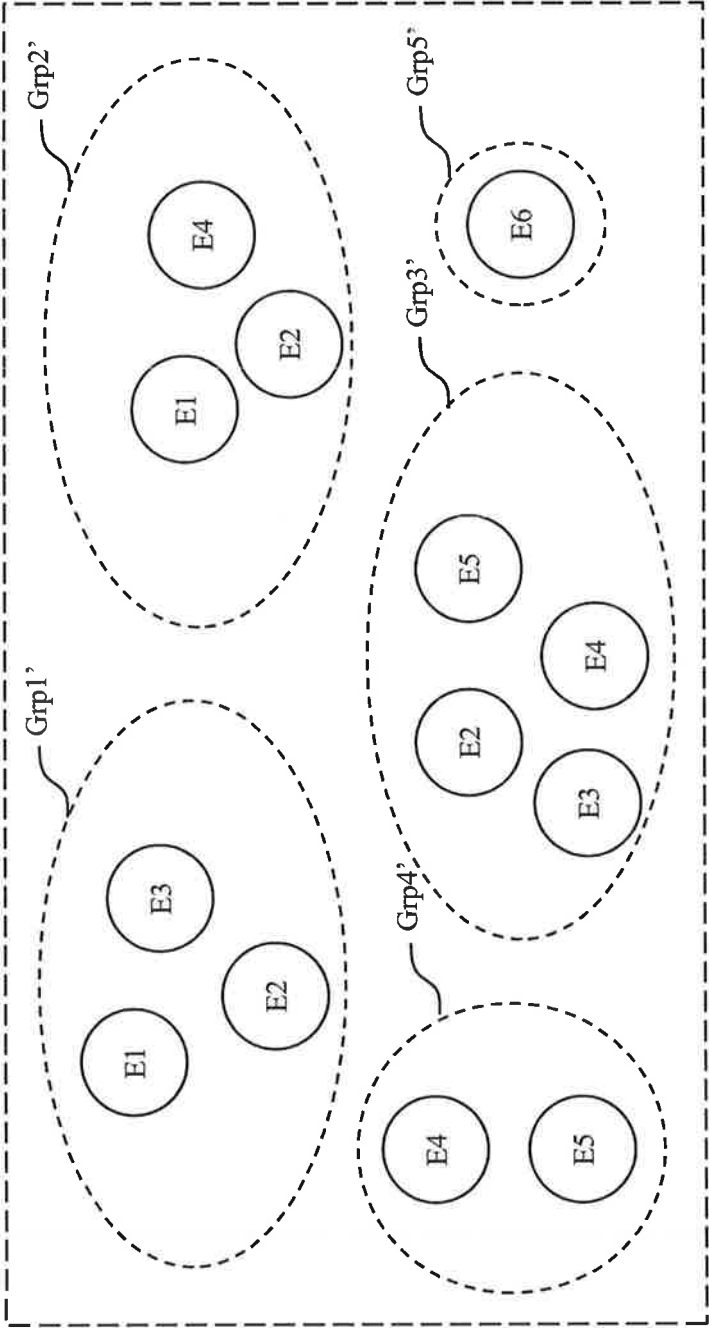
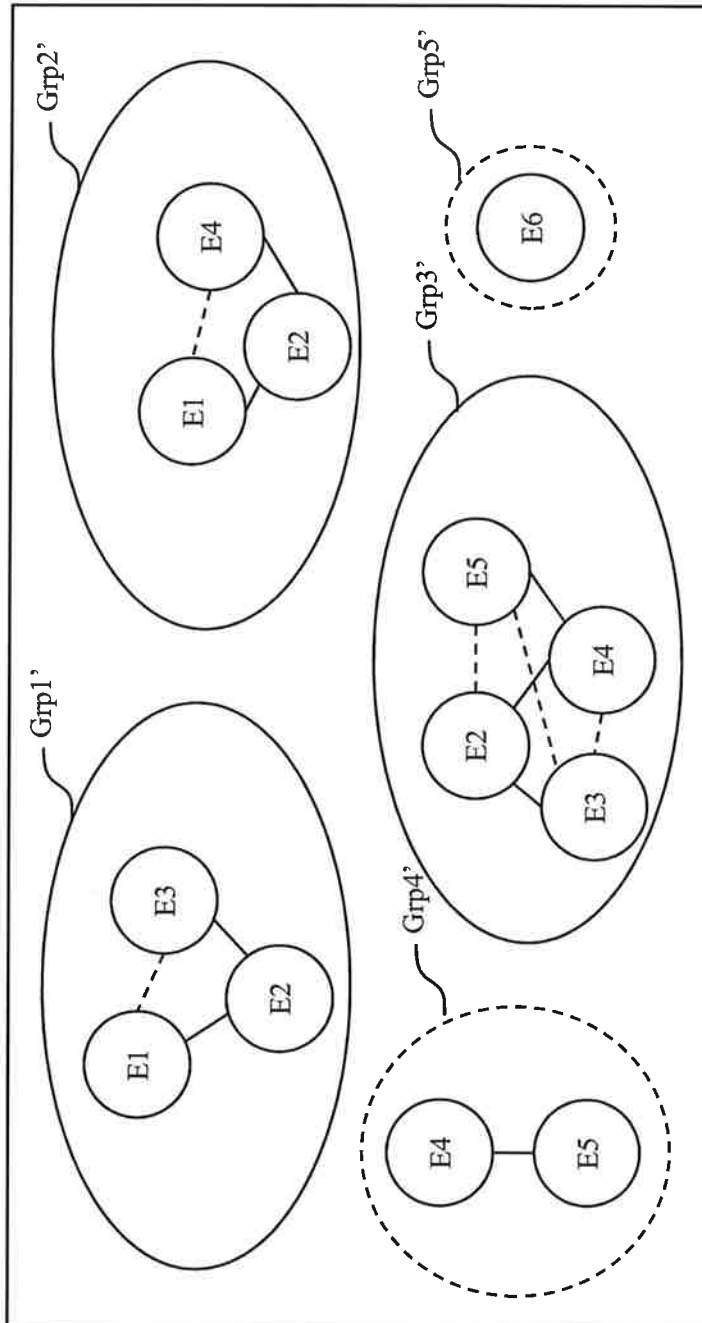
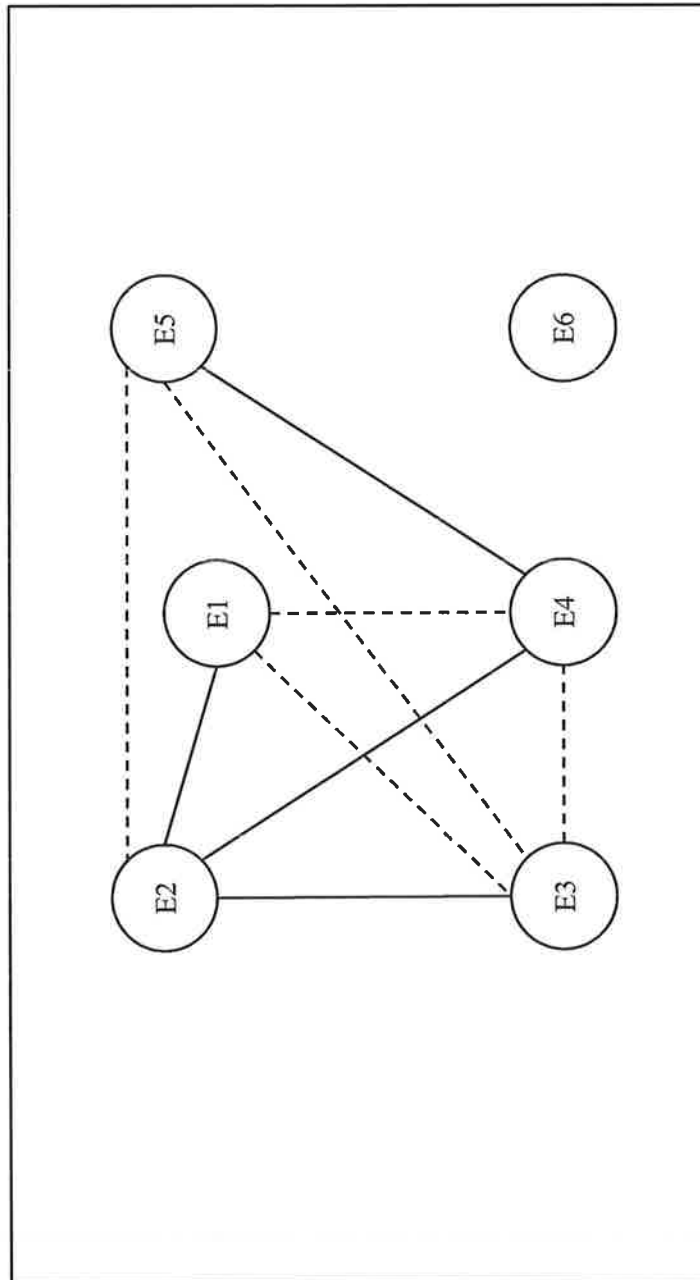


FIGURE 6D

**FIGURE 6E**

**FIGURE 6F**

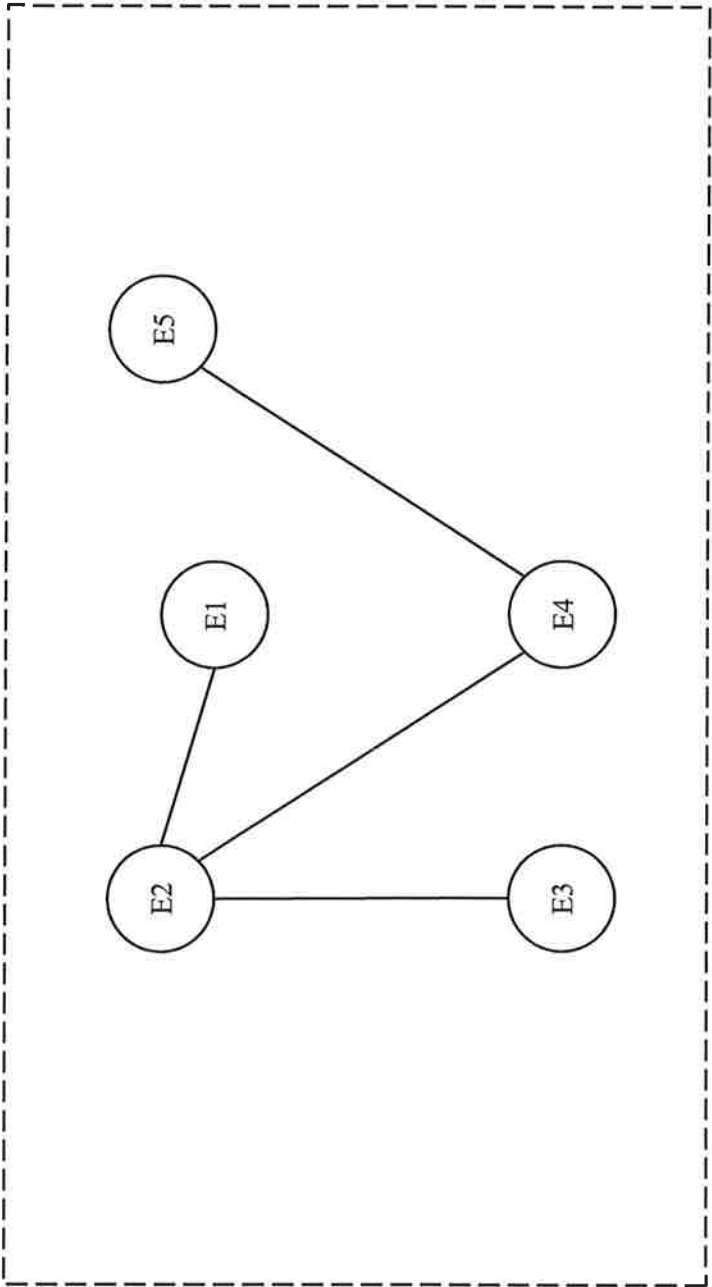


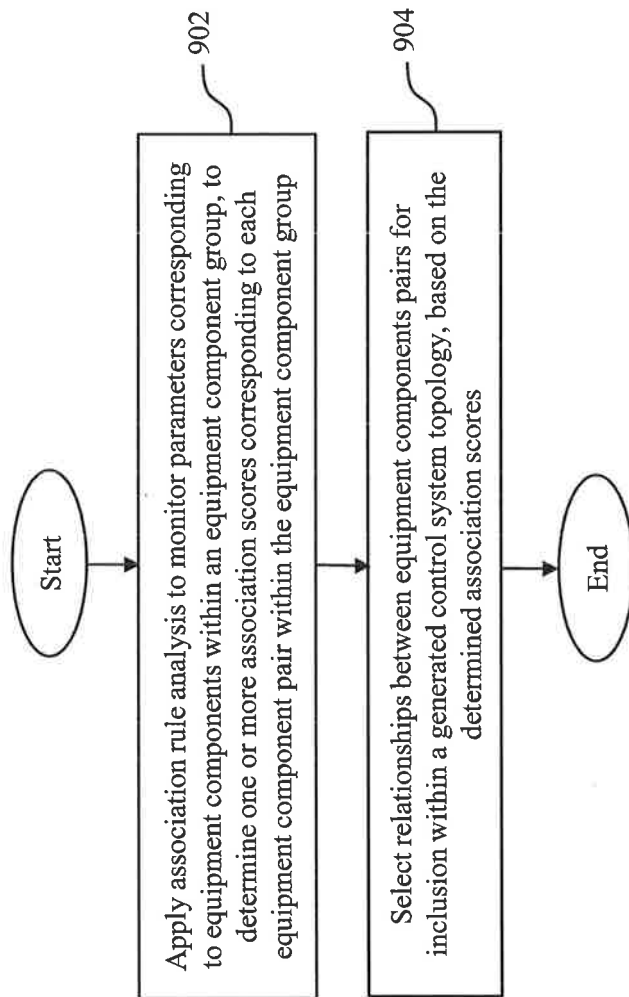
Figure 6G

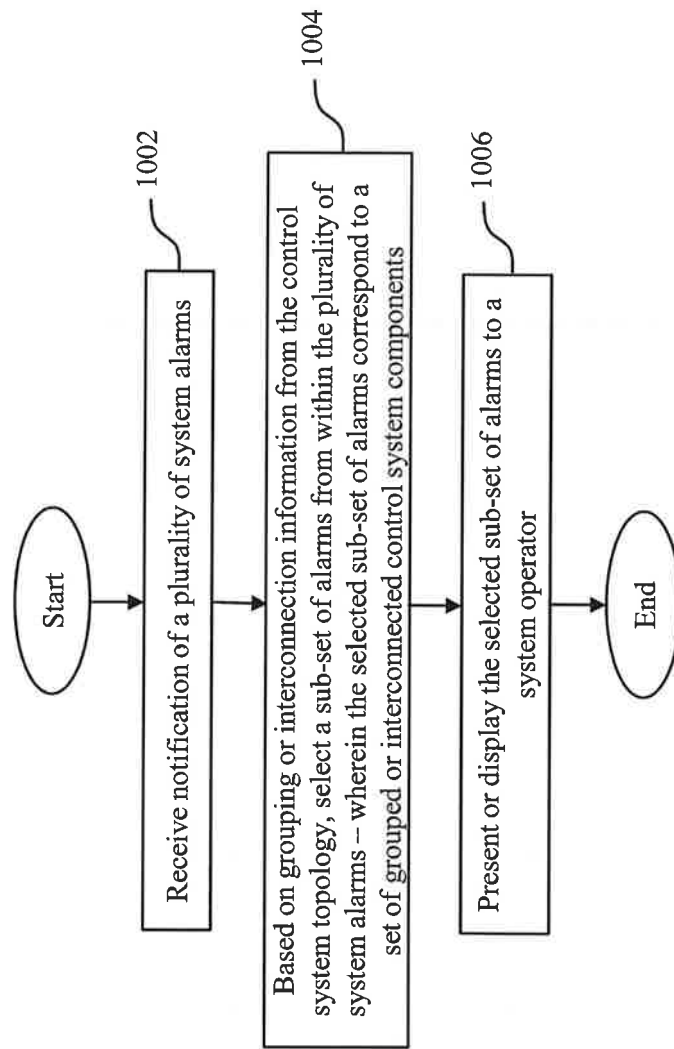
Node 1	Node 2	Unified Relationship Score	Support	Confidence	Lift	Chi-square
E5	E3	0.28	0.20	0.50	1.25	0.14
E5	E4	0.79	0.40	1.00	1.67	2.22
E5	E2	0.23	0.20	0.50	0.83	0.14
E1	E3	0.28	0.20	0.50	1.25	0.14
E1	E4	0.23	0.20	0.50	0.83	0.14
E1	E2	0.79	0.40	1.00	1.67	2.22
E3	E4	0.23	0.20	0.50	0.83	0.14
E3	E2	0.79	0.40	1.00	1.67	2.22
E4	E2	0.38	0.40	0.67	1.11	0.14
E1	E6	0.00	0.00	0.00	0.00	0.00
E2	E6	0.00	0.00	0.00	0.00	0.00
E3	E6	0.00	0.00	0.00	0.00	0.00
E4	E6	0.00	0.00	0.00	0.00	0.00
E5	E6	0.00	0.00	0.00	0.00	0.00

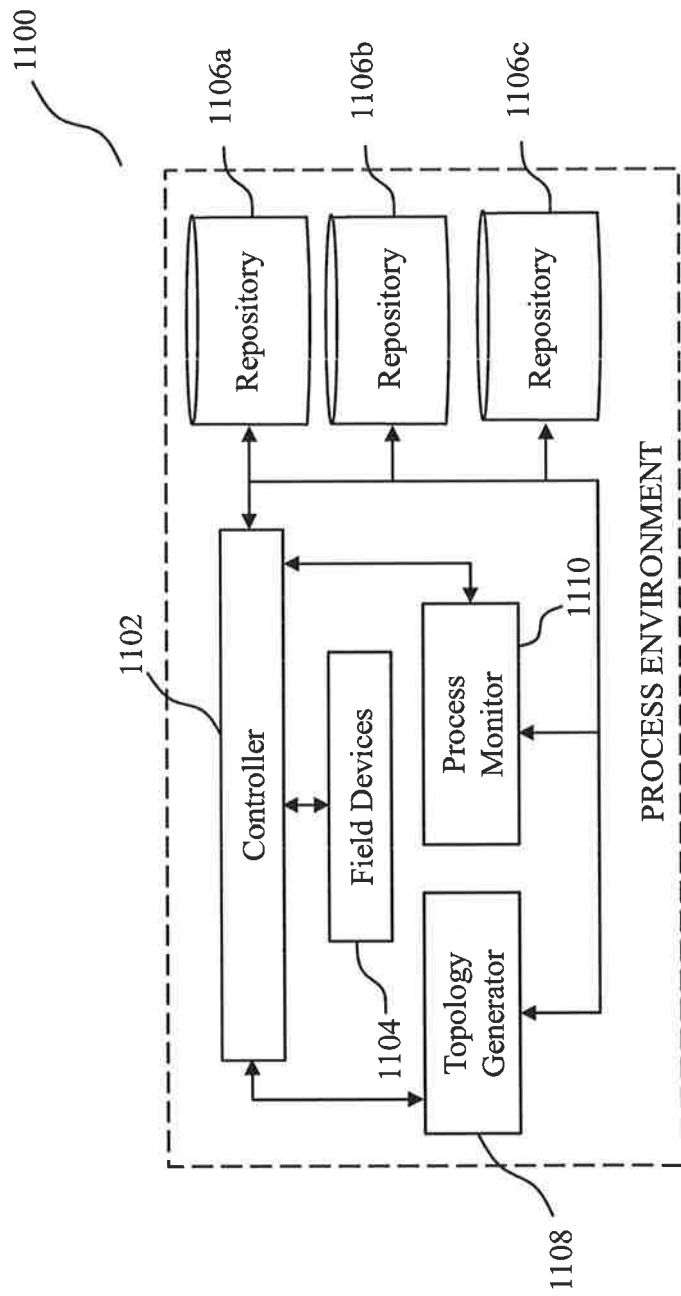
FIGURE 7

Node 1	Node 2	Unified Relationship Score	Relationship Classification
E5	E3	0.28	weak relationship
E5	E4	0.79	strong relationship
E5	E2	0.23	weak relationship
E1	E3	0.28	weak relationship
E1	E4	0.23	weak relationship
E1	E2	0.79	strong relationship
E3	E4	0.23	weak relationship
E3	E2	0.79	strong relationship
E4	E2	0.38	strong relationship

FIGURE 8

**FIGURE 9**

**FIGURE 10**

**FIGURE 11**

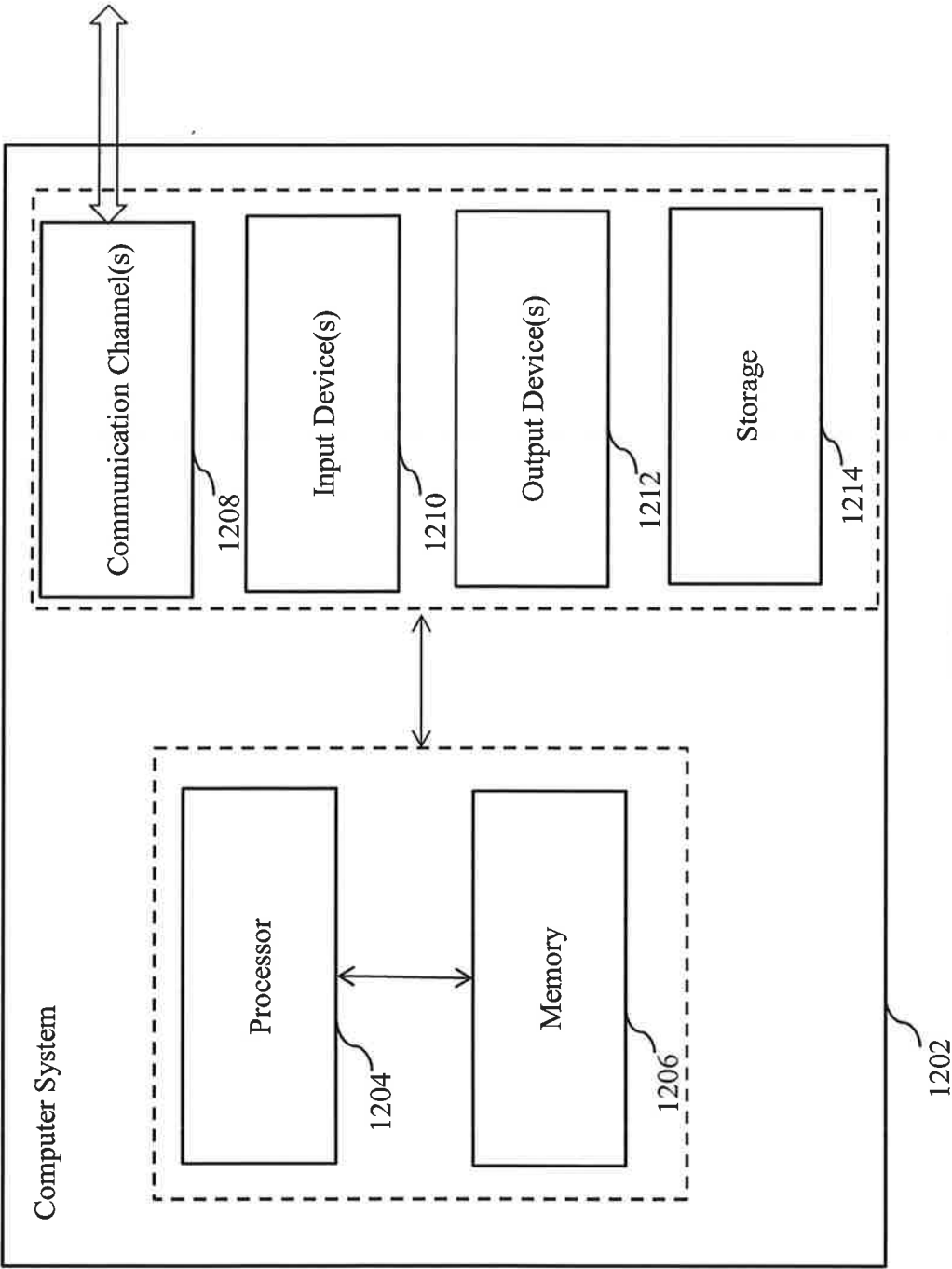


FIGURE 12