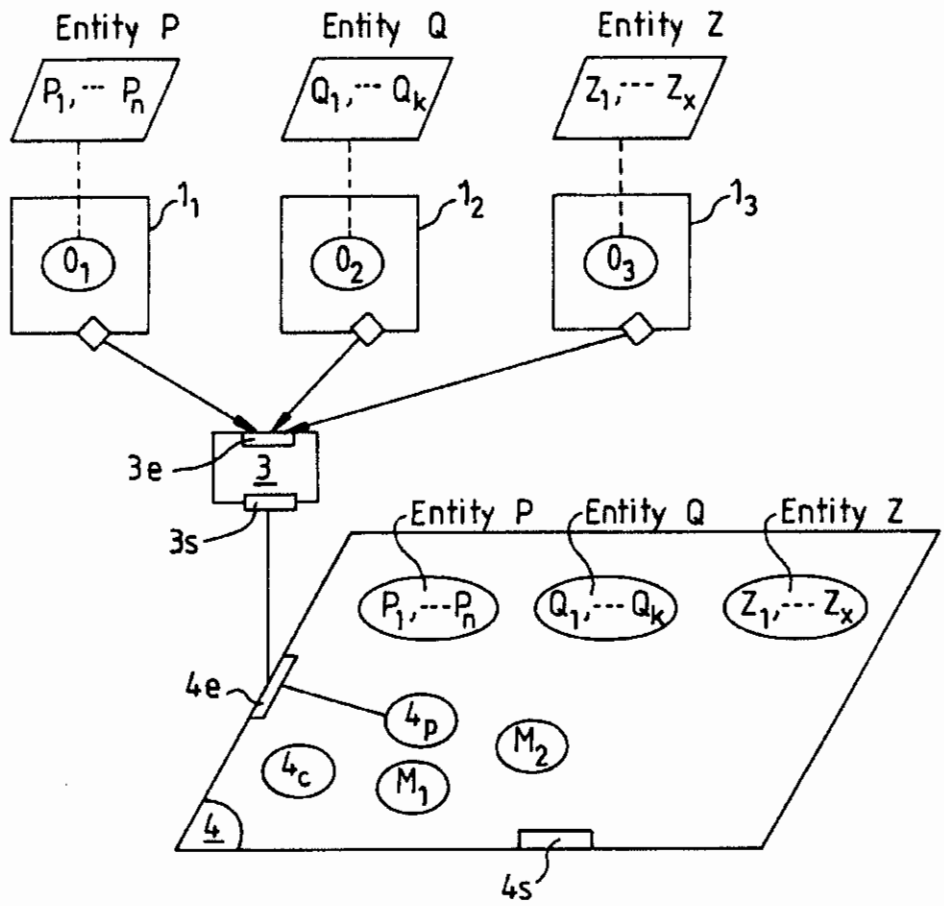

Entity P
Entity Q
Entity Z
P1,--- Pn
Q1,--- Qk
Z1,--- Zx
1 1
1 2
1 3
O1
O2
O3
3e
3
3s
Entity P
Entity Q
Entity Z
P1,---Pn
Q1,--- Qk
Z1,--- Zx
4e
4p
M2
4c
M1
4
4s

FIG.1

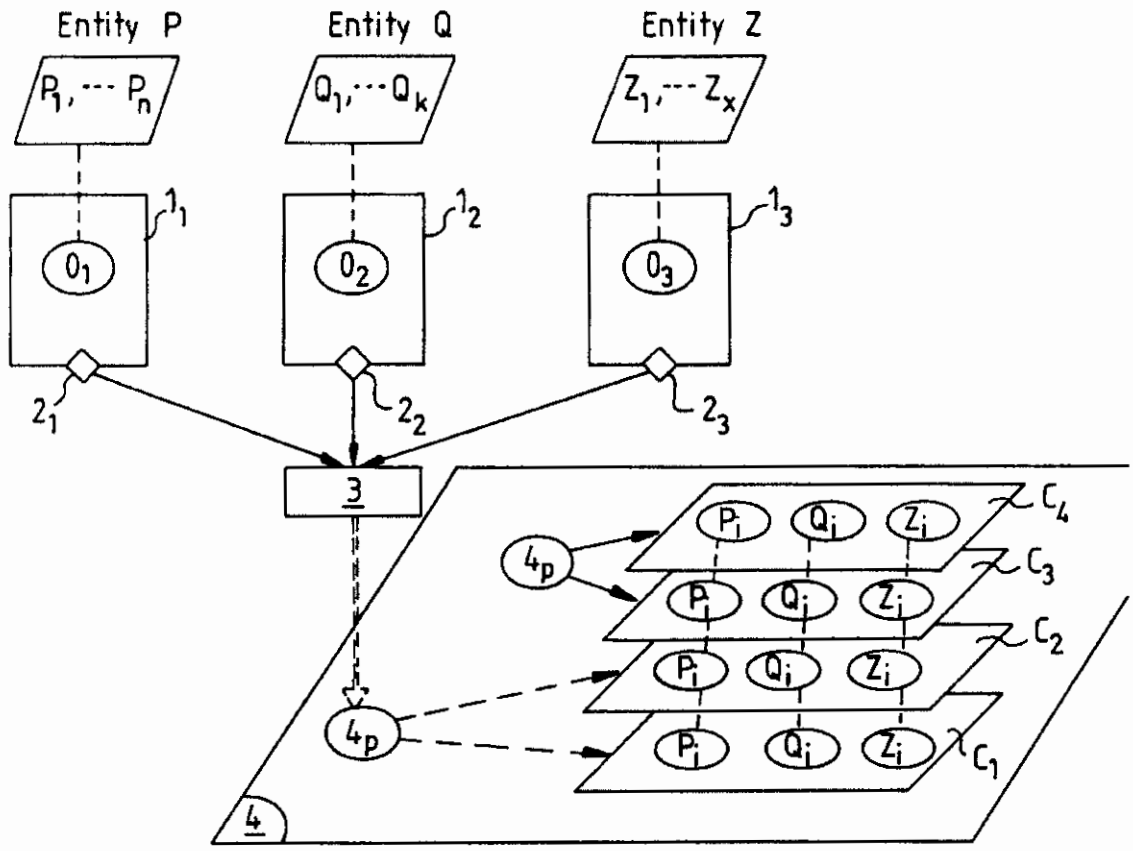

Entity P
Entity Q
Entity Z
$P_1, \cdots P_n$
$Q_1, \cdots Q_k$
$Z_1, \cdots Z_x$
1_1
1_2
1_3
O_1
O_2
O_3
2_1
2_2
2_3
3
4_p
P_i
Q_i
Z_i
C_4
C_3
C_2
C_1
4

FIG.2

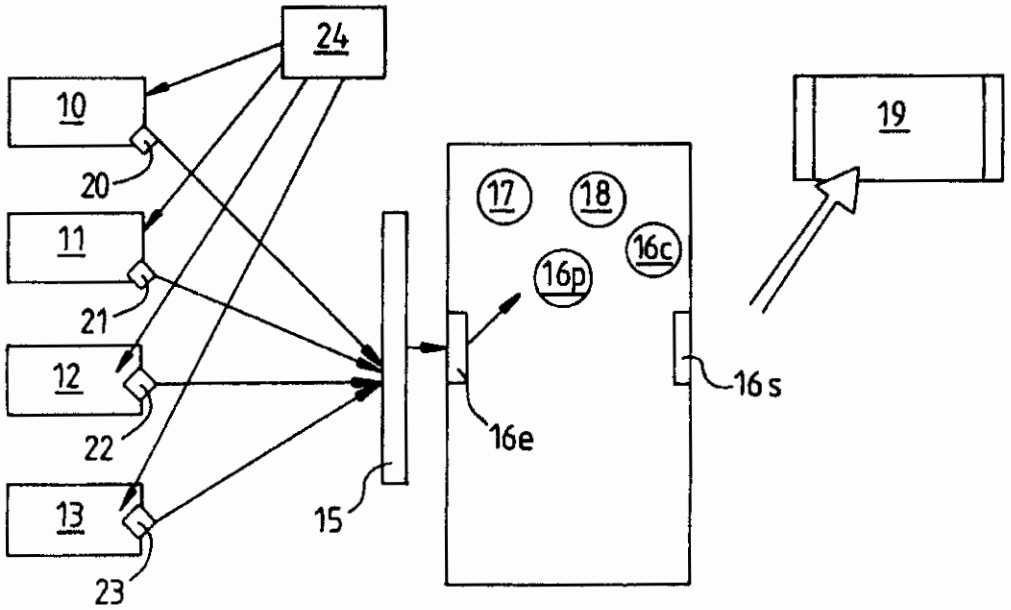

24
10
11
12
13
20
21
22
23
15
17
18
16c
16p
16e
16s
19

FIG.3