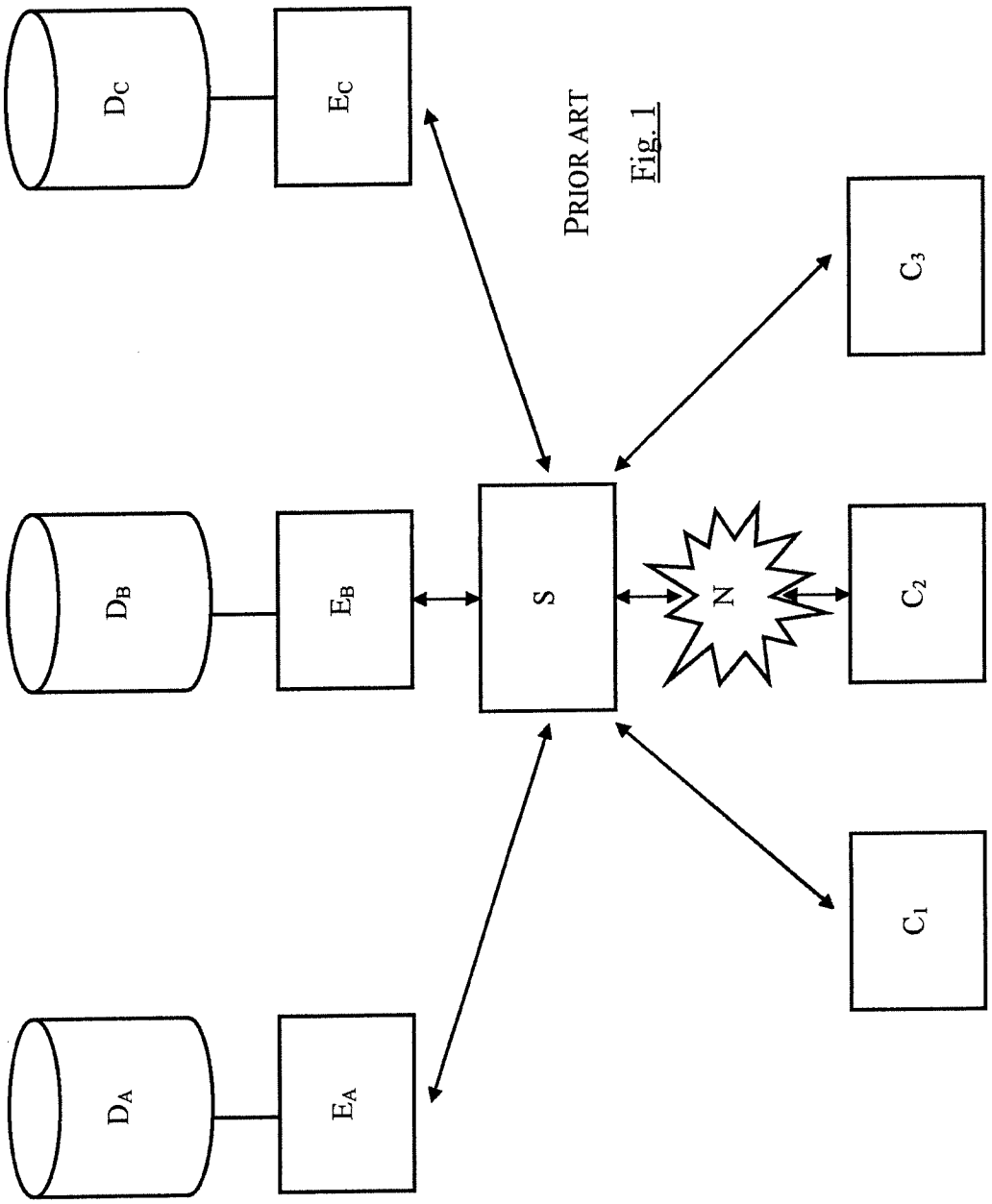



PRIOR ART

Fig. 1

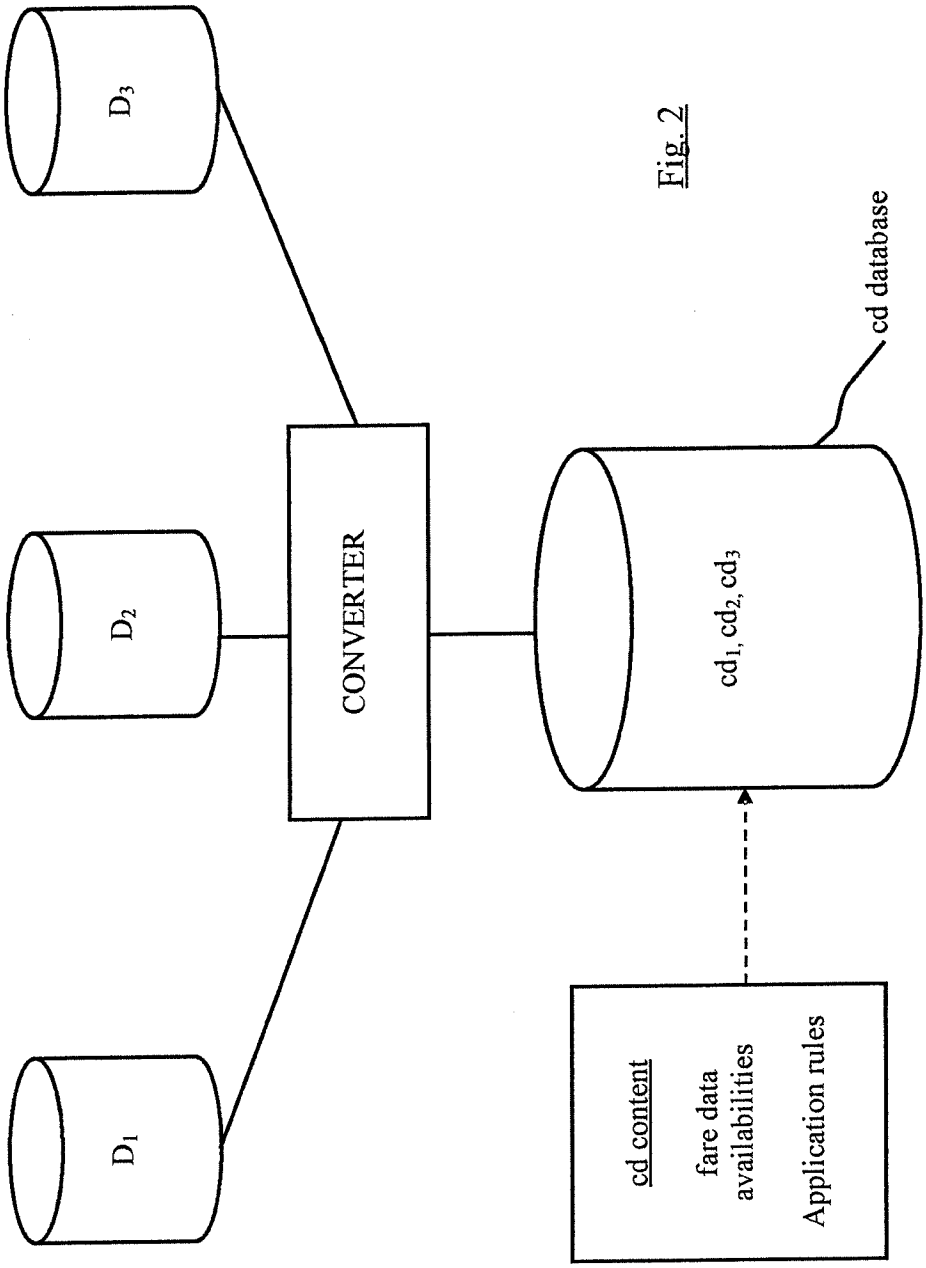

D3
D2
D1
CONVERTER
cd1, cd2, cd3
cd database
cd content
fare data availabilities
Application rules

Fig. 2

| Price per night | Nb persons | Season Loyalty card | |
|---|---|---|---|
| $ 50.00 | 1 | Low | N |
| $ 45.00 | 1 | Low | Y |
| $ 80.00 | 2 | Low | N |
| $ 72.00 | 2 | Low | Y |
| $ 70.00 | 1 | High | N |
| $ 63.00 | 1 | High | Y |
| $ 100.00 | 2 | High | N |
| $ 90.00 | 2 | High | Y |

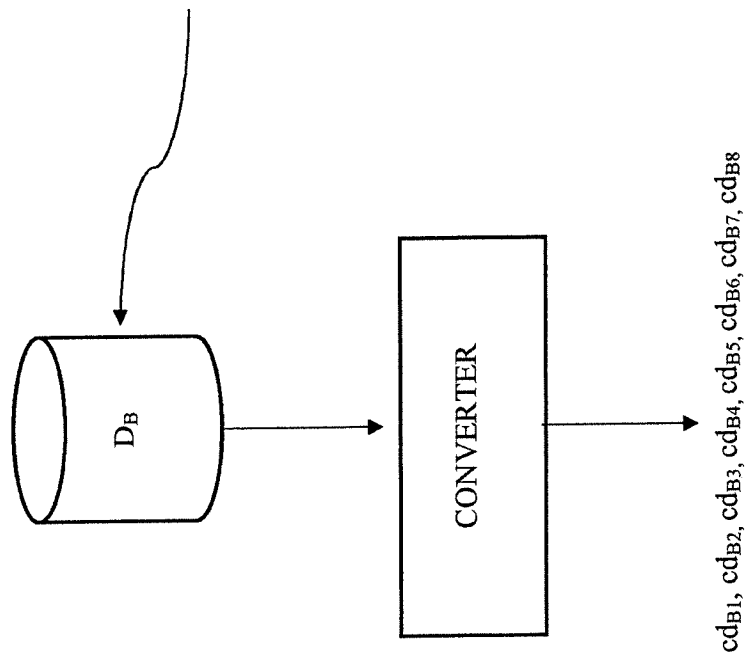



Fig. 3

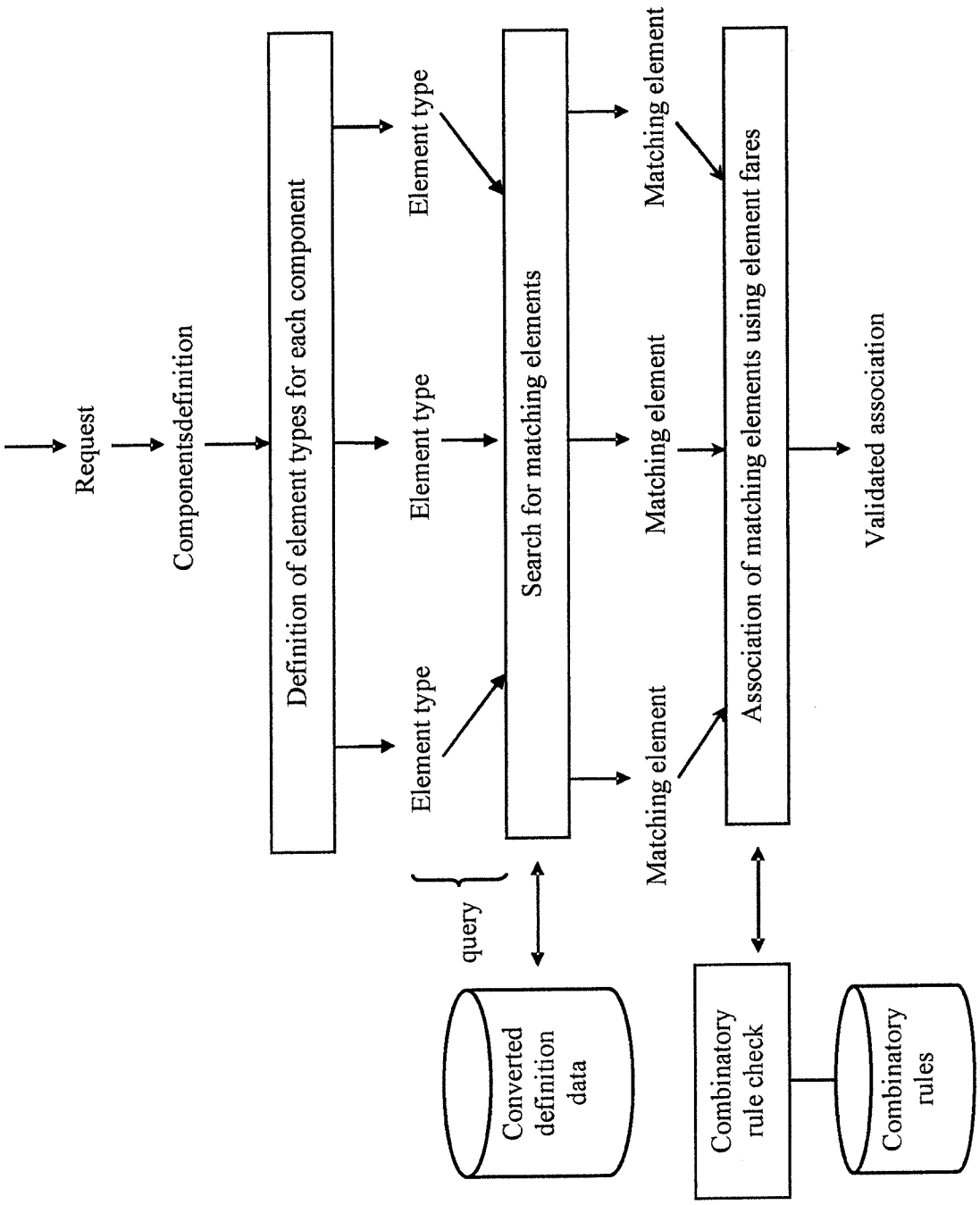

Request
Componentsdefinition
Definition of element types for each component
Element type
Element type
Element type
Search for matching elements
Matching element
Matching element
Matching element
Association of matching elements using element fares
Validated association
query
Converted definition data
Combinatory rule check
Combinatory rules

Fig. 4

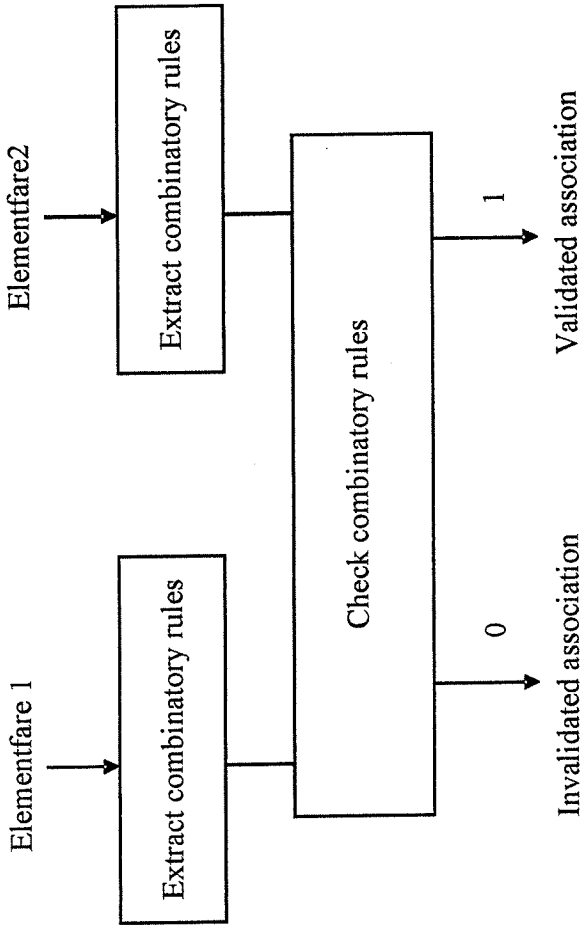

Elementfare2
Extract combinatory rules
Elementfare 1
Extract combinatory rules
Check combinatory rules
1
Validated association
0
Invalidated association

Fig. 5

Fig. 6

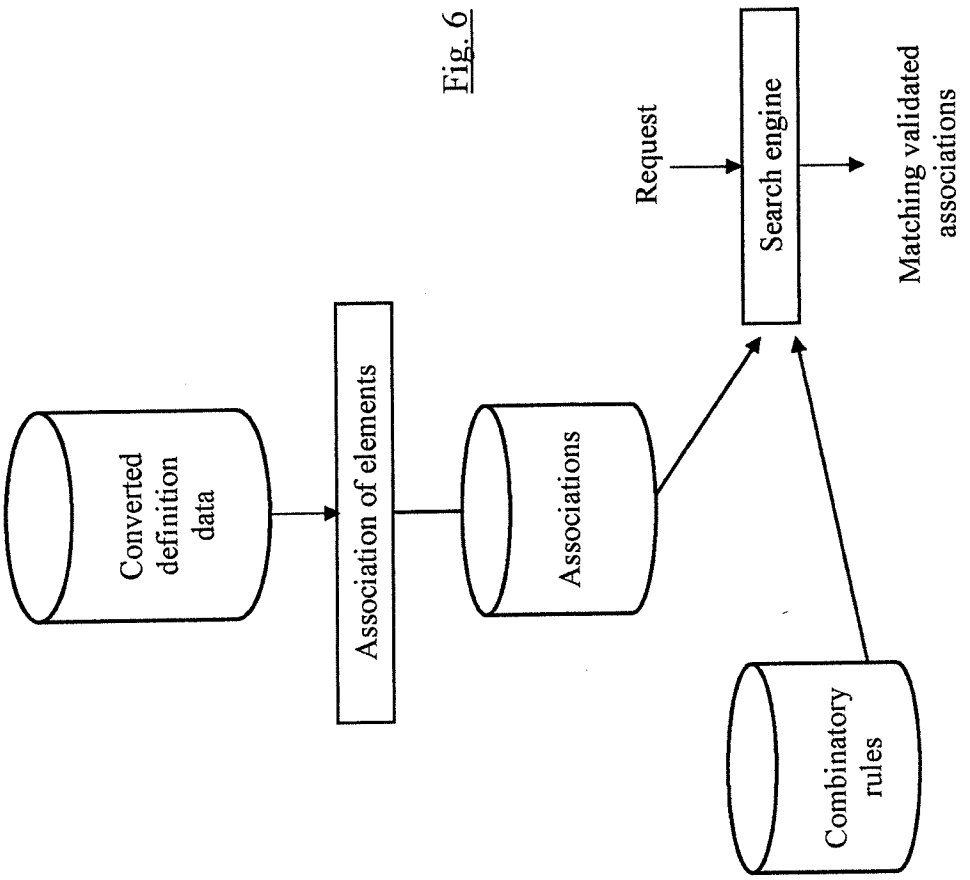
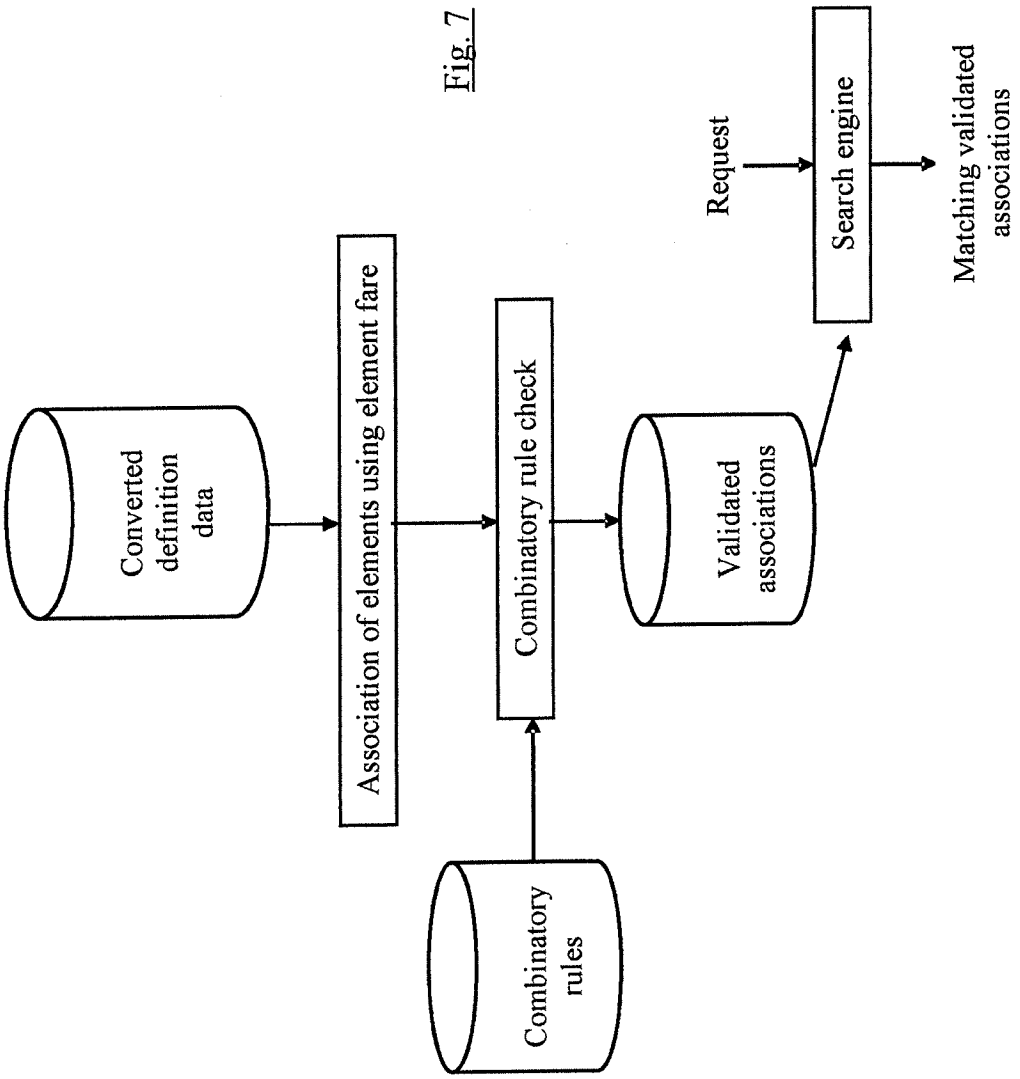

Converted definition data
Association of elements
Associations
Request
Search engine
Matching validated associations
Combinatory rules

Fig. 7


Converted definition data
Association of elements using element fare
Combinatory rule check
Combinatory rules
Validated associations
Request
Search engine
Matching validated associations