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1, 2, 3
1 2 3

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Design of Mobile Agent System for Efficient Multiple Reply among the Members in Integrated Manufacture/Logistics Network

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(Supply Chain Management)

가

(Bullwhip Effect)가

가

Keyword : SCM, Multiple Reply, Mobile Agent, Push Agent

1.

가

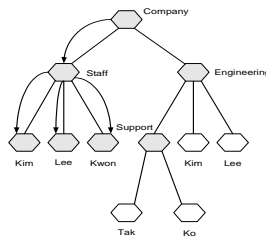
가

SCM(Supply Chain Management)
[1,2,3].

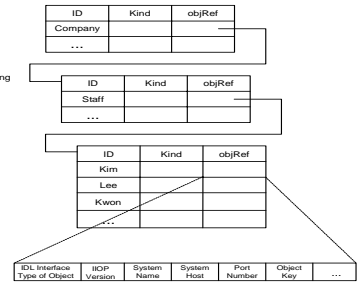
Effect)가

(Bullwhip

CORBA



(a)



(b)

CORBA

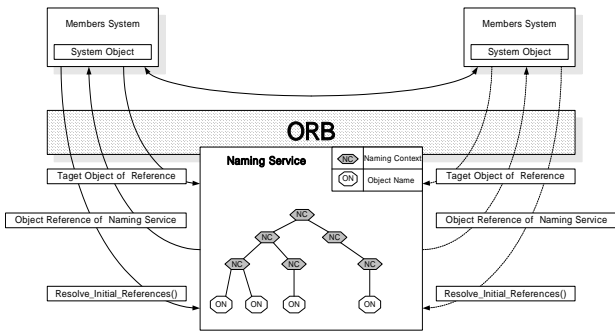
[2]

ORB

가

1]

3-2



[1]

[2] (a)

가
(GRID Computing),
(Distributed Database),
(Group Communication)

가
가

(Naming Context:NC)
(Object Name:ON)

(compound name) 가

[2] (b)
IDL , IIOP
가

1)

2)

3)

- 4) 가 , , 가
- 5) , , 가
- 6) 가 가 가 가

2

4.

4-1

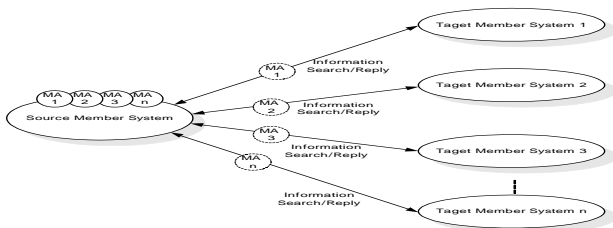
5

3-3

가
n-1

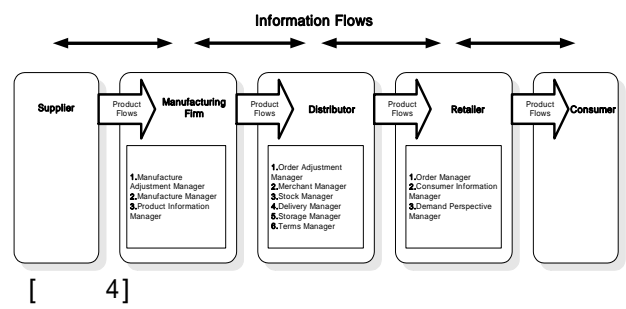
가 [4]

[3]



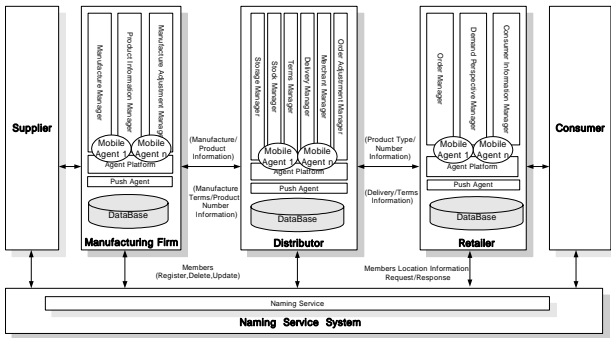
[3]

[3]



[4]

[5]



[5]

(Manufacturing Firm), (Distributor), (Retailer)가

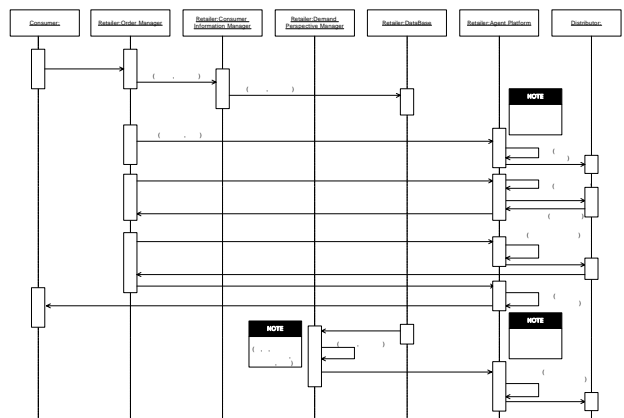
Manager Order Event 가

Order Manager () : Order Management Manager

Consumer Information Manager () :

Demand Perspective Manager () :

[6]



[6]

4-2-2 (Distributor)

Order Adjustment Manager () Order Manager

, Stock Manager, Delivery Manager, Terms Manager, Storage Manager, Merchant Manager

Order Adjustment Manager () :

Merchant Manager () :

Stock Manager () :

가 Order Management Manager

Delivery Manager () :

Storage Manager () :

4-2

4-2-1 (Retailer)

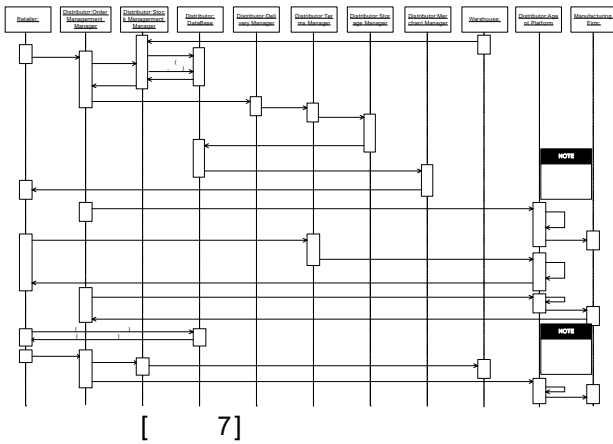
Order Manager 가 Order Management Manager

Consumer Information Manager , Demand Perspective

Terms Manager() :

[7]

(Supply Chain)



가

가

가

4-2-3 (Manufacturing Firm)

Manufacture Adjustment Manager
Order Management Manager

, Supplier

Manufacture Manager

, Product Information

Manager

가

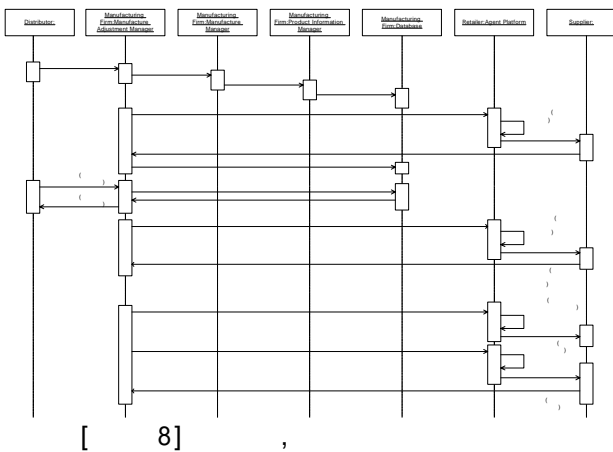
Manufacture Manager() :

Manufacture Adjustment Manager() :

Product Information Manager() :

[8]

가



[8]

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