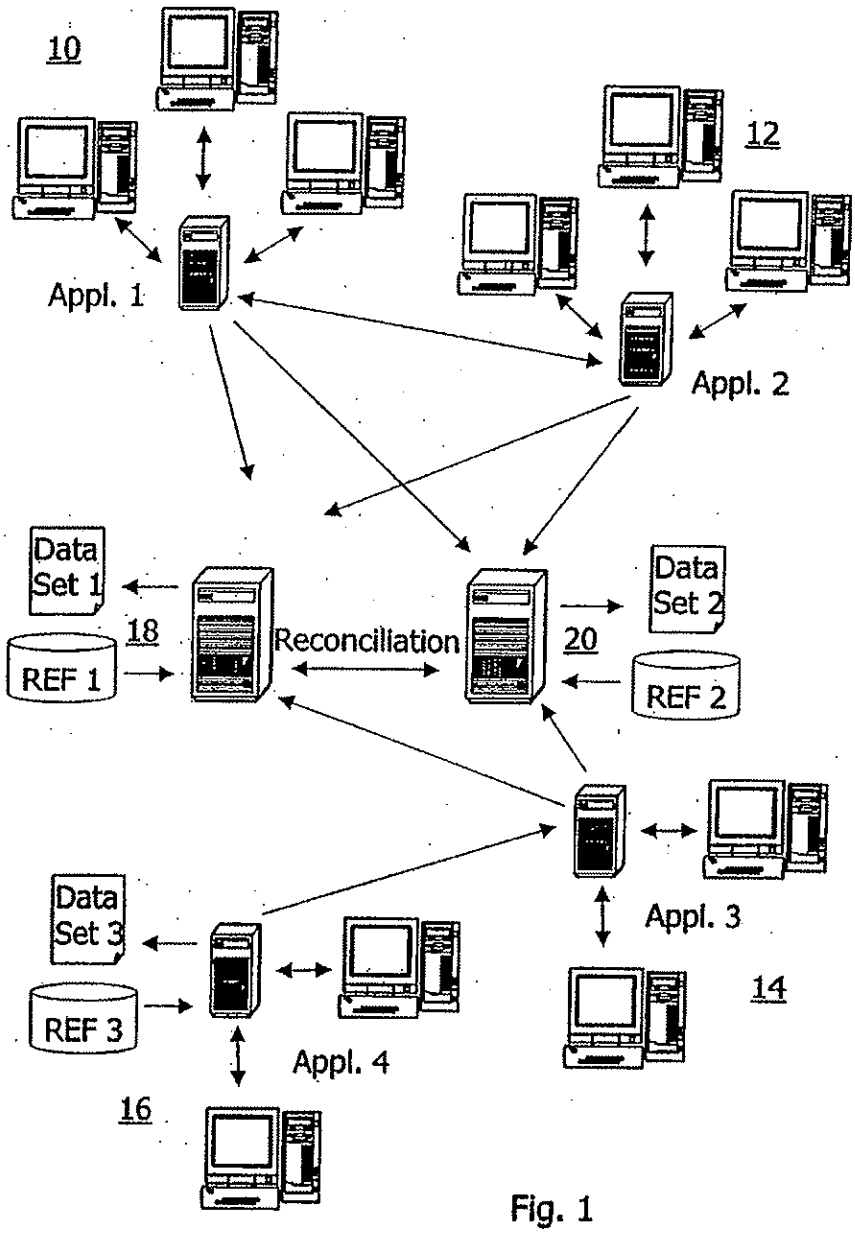


Fig. 1
Prior Art

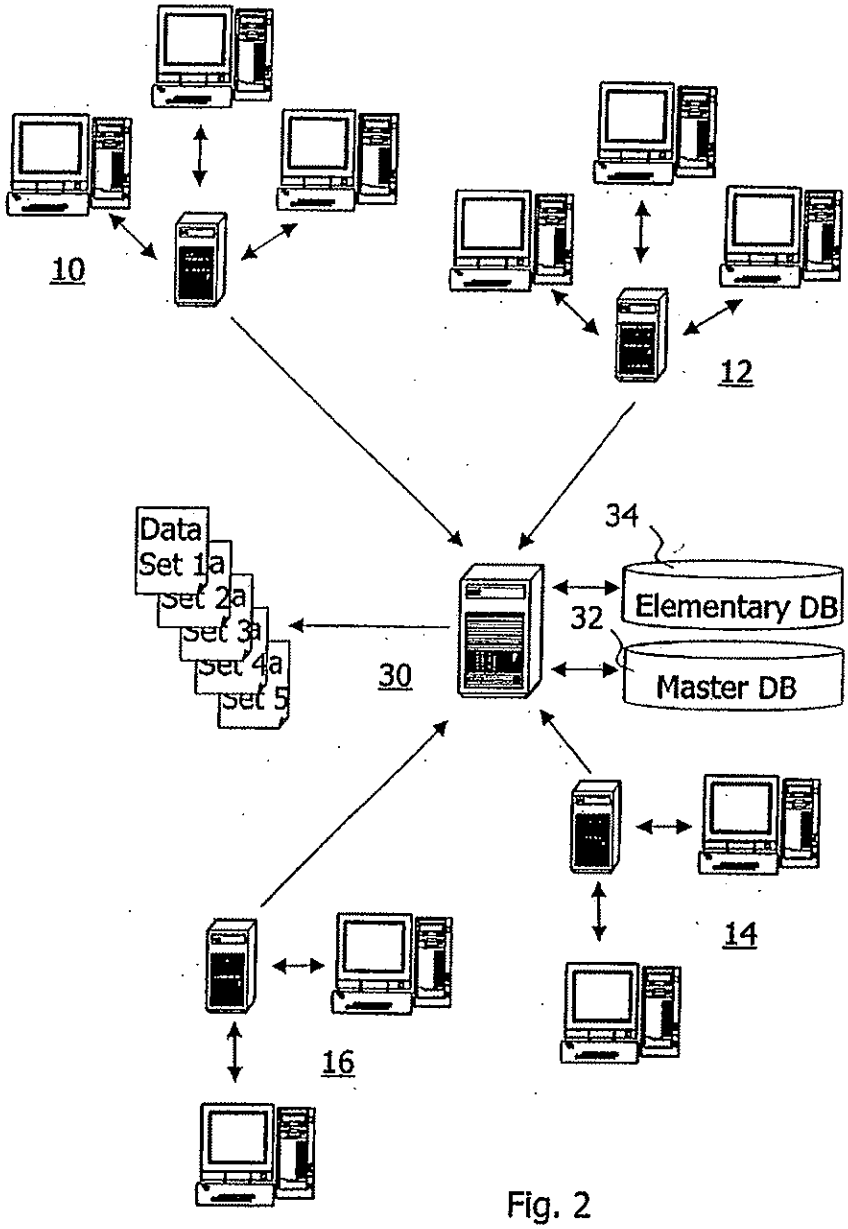

10
12
34
Data
Set 1a
Set 2a
Set 3a
Set 4a
Set 5
30
32
Elementary DB
Master DB
14
16

Fig. 2

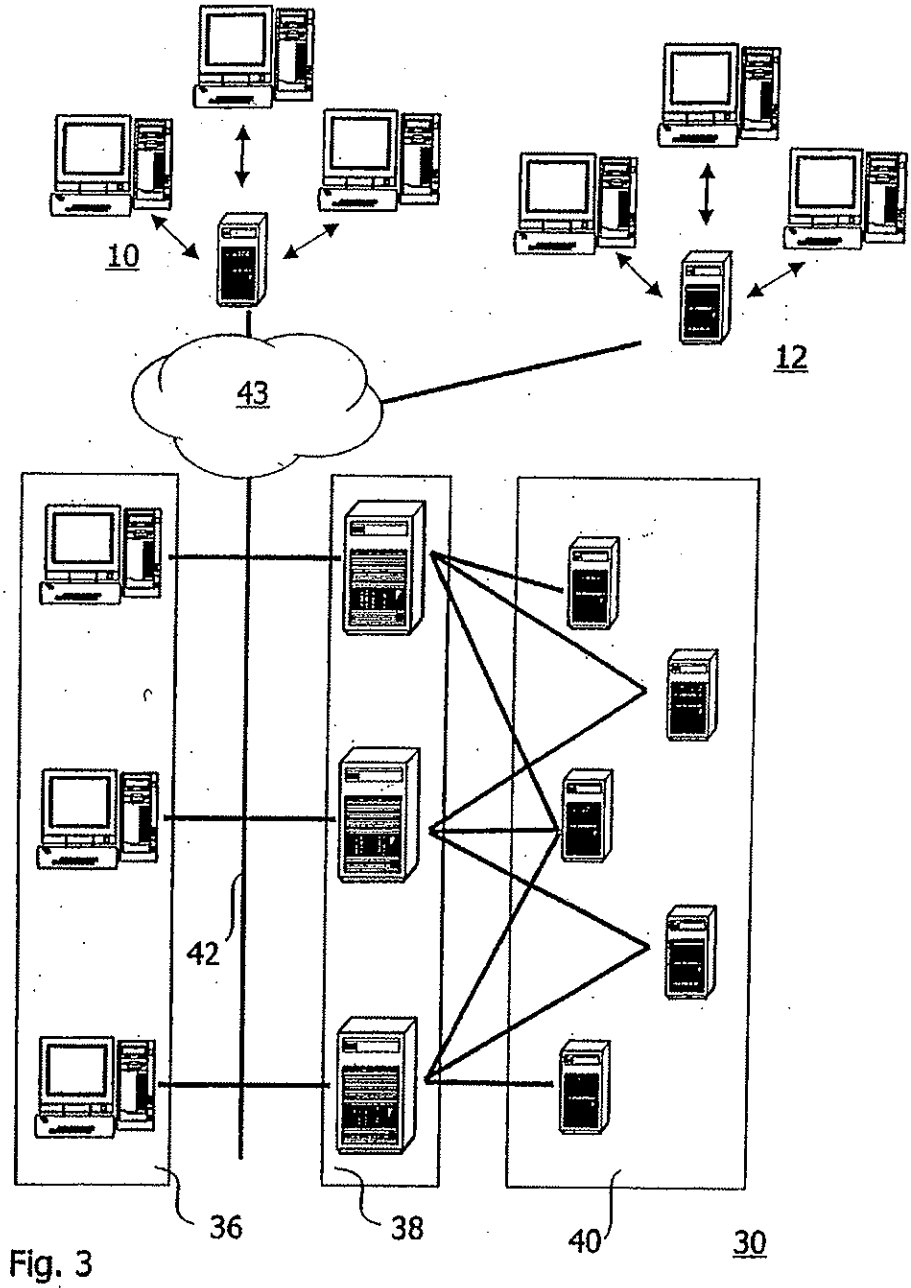


Fig. 3

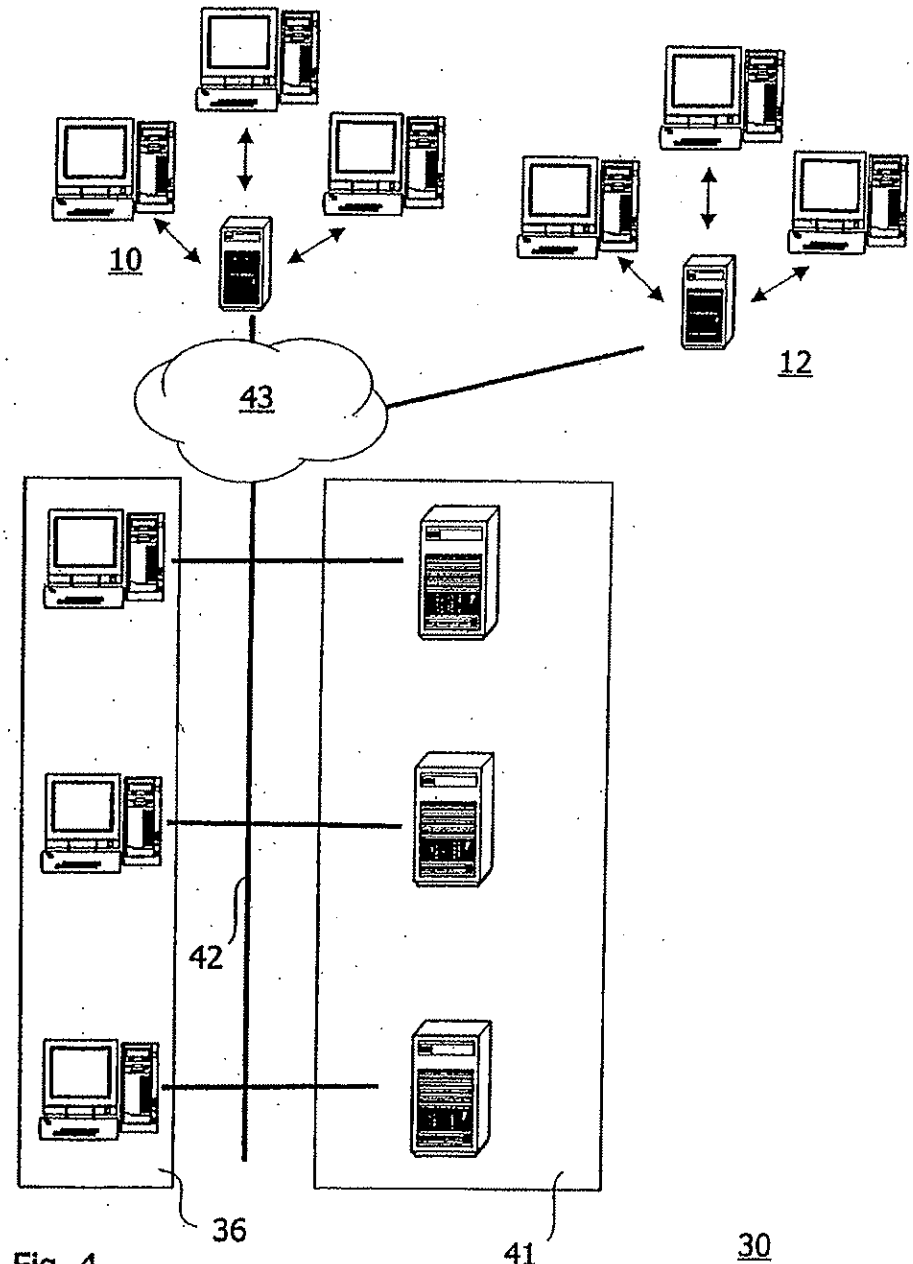


Fig. 4

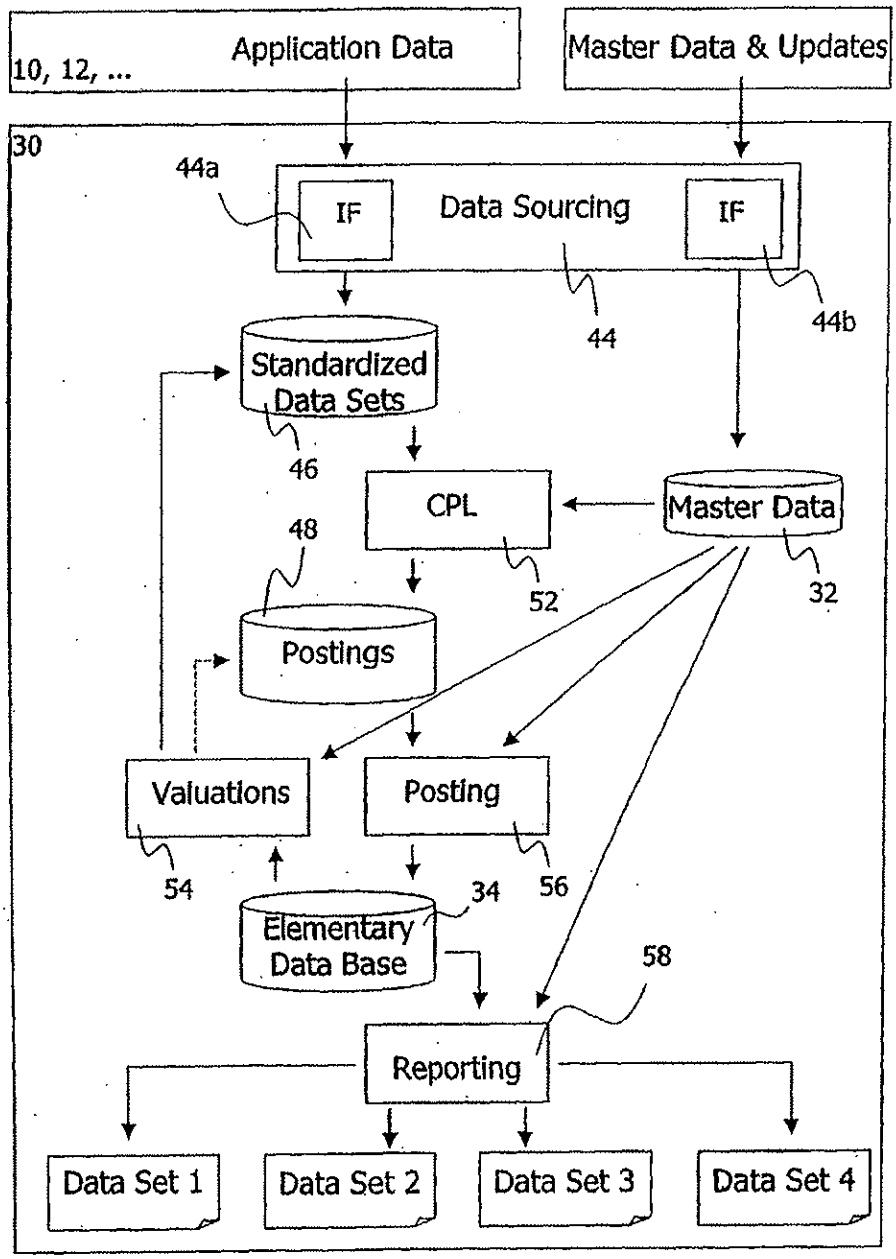

10, 12, ...
Application Data
Master Data & Updates
30
44a
IF
Data Sourcing
IF
44
44b
Standardized Data Sets
46
CPL
Master Data
48
52
32
Postings
Valuations
Posting
54
34
56
Elementary Data Base
58
Reporting
Data Set 1
Data Set 2
Data Set 3
Data Set 4

Fig. 5

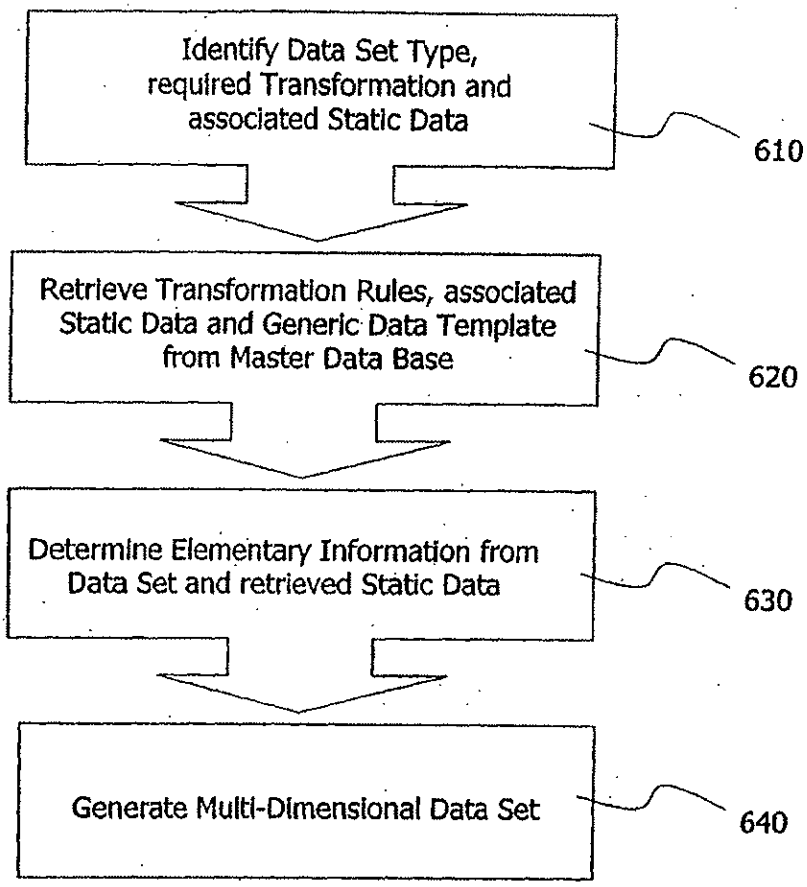

Identify Data Set Type, required Transformation and associated Static Data
610
Retrieve Transformation Rules, associated Static Data and Generic Data Template from Master Data Base
620
Determine Elementary Information from Data Set and retrieved Static Data
630
Generate Multi-Dimensional Data Set
640

Fig. 6

1	Ledger ID	
2	G/L Account	
3	Type	
4	Objective	
5	Profit Center	
6	Cost Center	
7	Customer ID	
8	Complex Contract	
9	Elementary Contract	
10	Dependent Product	
11	Distrib. Channel	
12	Cust. Position	
13	Cust. Pos. Denom.	
14	Cust. Interest Rate	
15	Bank Position ID	
16	Bank Pos. Denom.	
17	Amount Type	
18	Profit Center TO	
19	Cust. G/L Acc't ID	
...	...	
28	Period	
29	Debit	
30	Credit	

elementary information

empty template

Fig. 7

Multi Dimensional Template		Example 1: ATM Withdrawel – Debit Customer Account		Example 2: ATM Withdrawel – Cash Turnover
Ledger ID	1	230	1	230
G/L Account	2	2159000100	2	1100000100
Type	3	Current Account	3	Cash
Objective	4	Interest	4	Client Servicing
Profit Center	5	PC001	5	PC002
Cost Center	6		6	
Customer ID	7	0256-500514	7	0256-500514
Complex Contract	8		8	
Elementary Contract	9	0256-00500514.01	9	0256-00500514.01
Dependent Product	10		10	1101
Distrib. Channel	11		11	0000
Cust. Position	12	1	12	1
Cust. Pos. Denom.	13	CHF	13	CHF
Cust. Interest Rate	14		14	
Bank Position ID	15		15	0240-1001.01
Bank Pos. Denom.	16		16	CHF
Amount Type	17	Book Balance	17	Turnover
Profit Center TO	18		18	PC001
Cust. G/L Acc't ID	19	...	19	...
...	...		...	
Period	28	...	28	...
Debit	29	100	29	0
Credit	30	0	30	100

1st posting-related data set 2nd posting-related data set

Fig. 8

Multi Dimensional Template		Example 1: Customer Account Balance		Example 2: ATM Withdrawel – Cash Turnover Balance
Ledger ID	1	230	1	230
G/L Account	2	2159000100	2	1100000100
Type	3	Current Account	3	Cash
Objective	4	Interest	4	Client Servicing
Profit Center	5	PC001	5	PC002
Cost Center	6		6	
Customer ID	7	0256-500514	7	0256-500514
Complex Contract	8		8	
Elementary Contract	9	0256-00500514.01	9	0256-00500514.01
Dependent Product	10		10	1101
Distrib. Channel	11		11	0000
Cust. Position	12	1	12	1
Cust. Pos. Denom.	13	CHF	13	CHF
Cust. Interest Rate	14		14	
Bank Position ID	15		15	0240-1001.01
Bank Pos. Denom.	16		16	CHF
Amount Type	17	Book Balance	17	Turnover
Profit Center TO	18		18	PC001
Cust. G/L Acc't ID	19	...	19	...
...	...		...	
Period		June 2003		June 2003
Life To Period Debit		2'345'007.35		0.00
Life To Period Credit		2'345'738.55		17'385.00
Period Net Debit		350.00		0.00
Period Net Credit		12'356.80		350.00

1st balance-related data set 2nd balance-related data set

Fig. 9