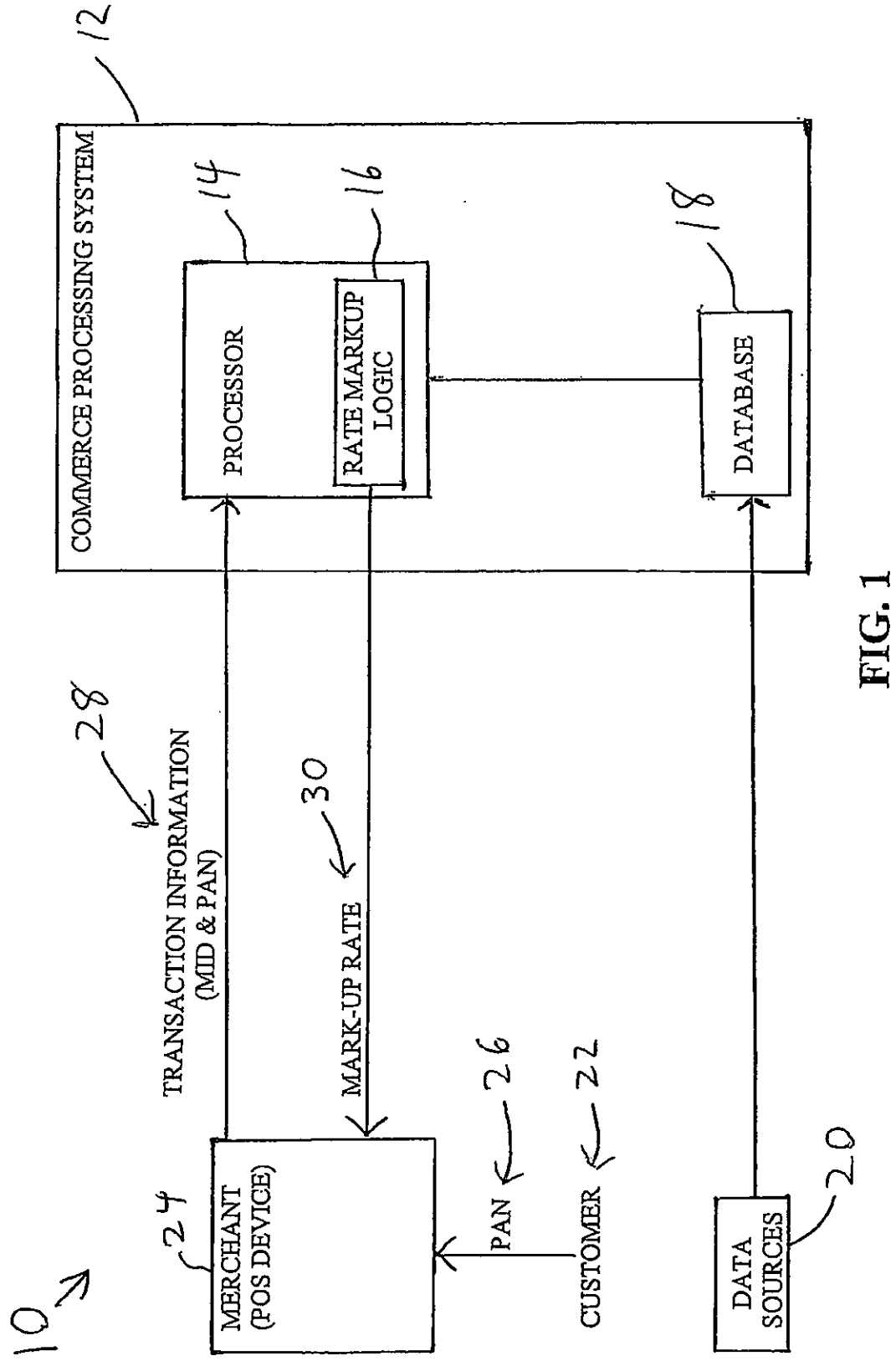

12
COMMERCE PROCESSING SYSTEM
14
PROCESSOR
16
RATE MARKUP LOGIC
18
DATABASE
28
TRANSACTION INFORMATION (MID & PAN)
30
MARK-UP RATE
26
PAN
22
CUSTOMER
24
MERCHANT (POS DEVICE)
20
DATA SOURCES
10

FIG. 1

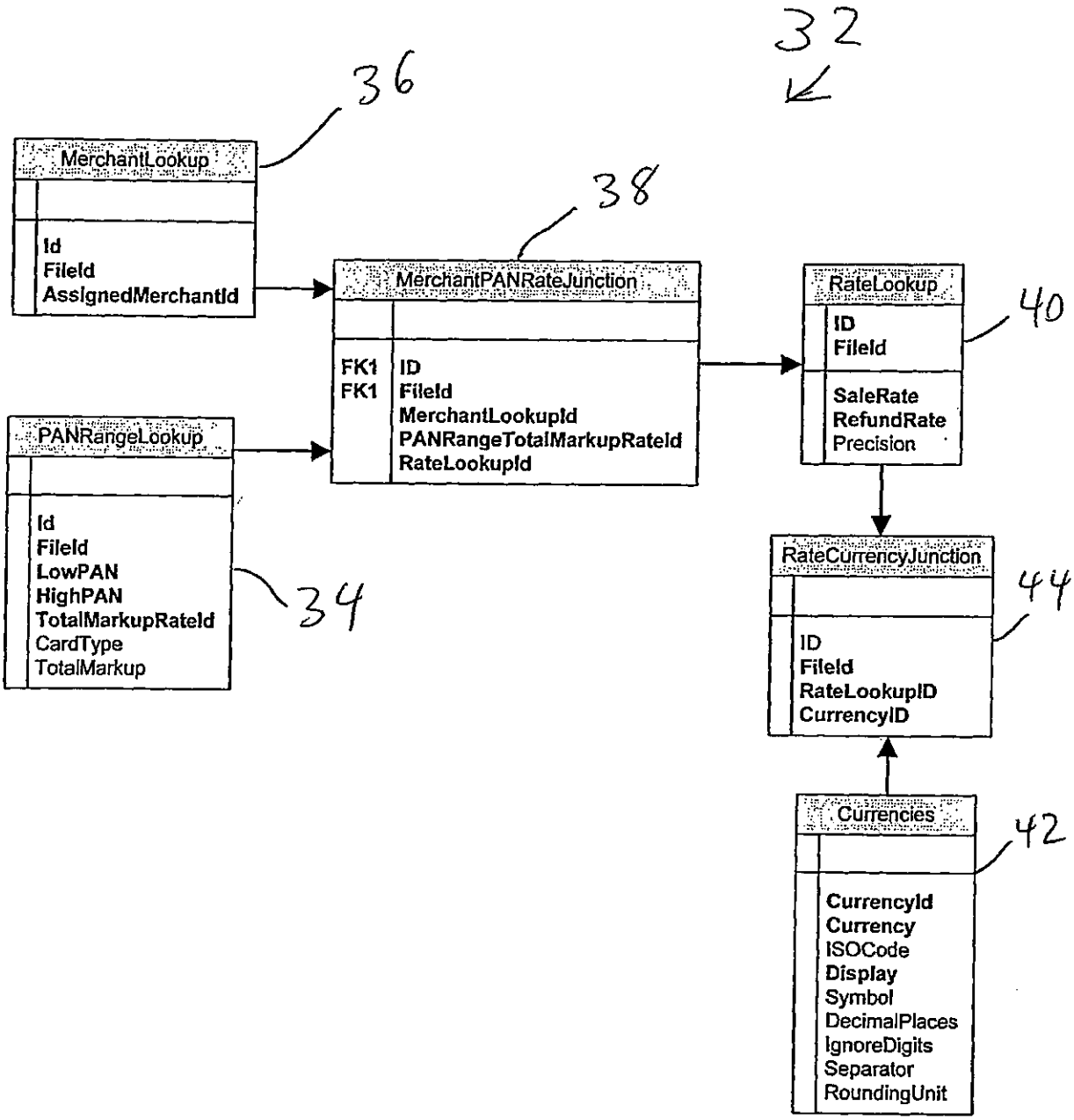

32
36
MerchantLookup
Id
FileId
AssignedMerchantId
38
MerchantPANRateJunction
FK1 ID
FK1 FileId
MerchantLookupId
PANRangeTotalMarkupRateId
RateLookupId
RateLookup
ID
FileId
SaleRate
RefundRate
Precision
40
PANRangeLookup
Id
FileId
LowPAN
HighPAN
TotalMarkupRateId
CardType
TotalMarkup
34
RateCurrencyJunction
ID
FileId
RateLookupID
CurrencyID
44
Currencies
CurrencyId
Currency
ISOCode
Display
Symbol
DecimalPlaces
IgnoreDigits
Separator
RoundingUnit
42

FIG. 2