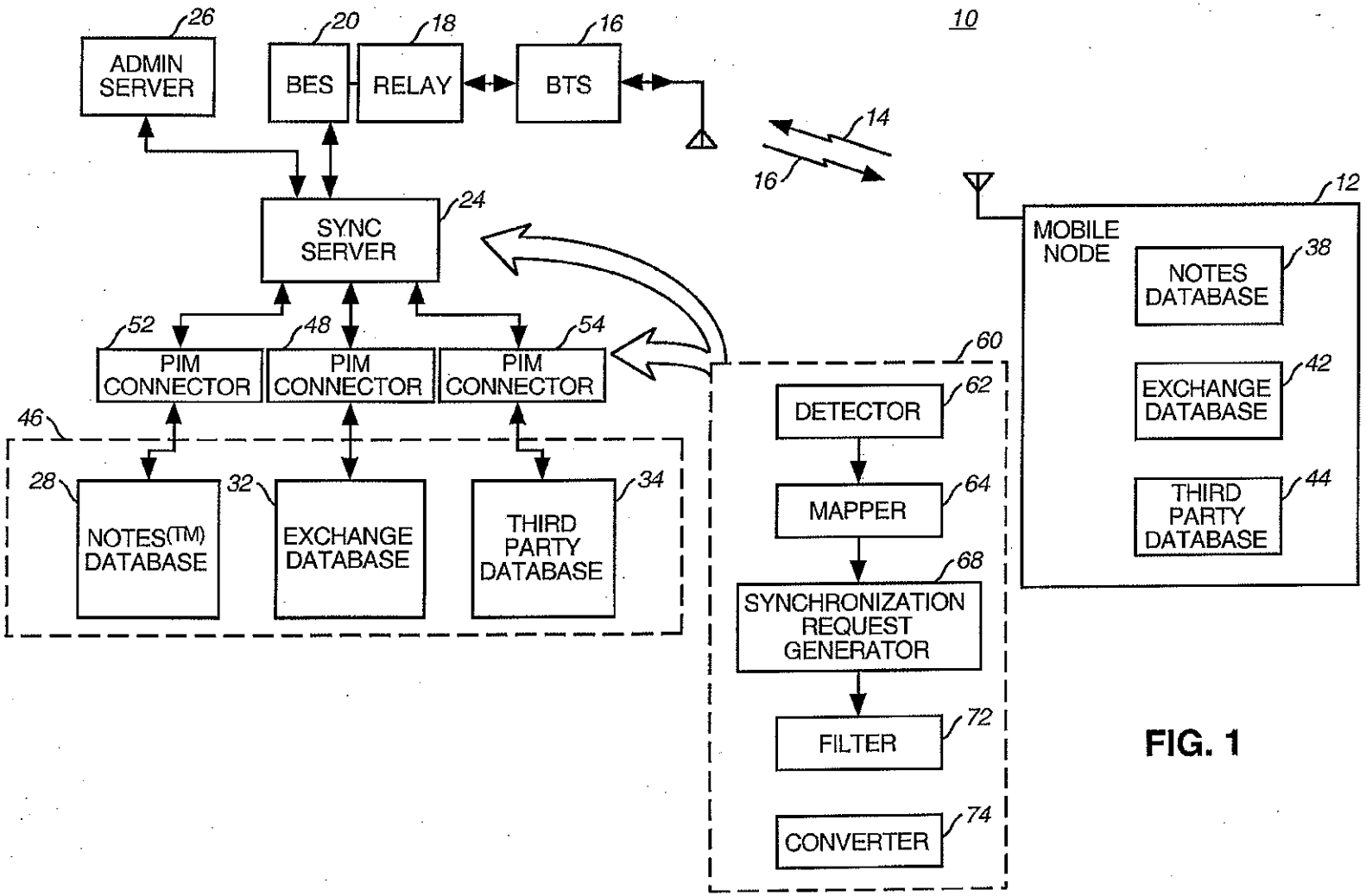

10
ADMIN SERVER
26
BES
20
RELAY
18
BTS
16
14
16
SYNC SERVER
24
12
MOBILE NODE
NOTES DATABASE
38
EXCHANGE DATABASE
42
THIRD PARTY DATABASE
44
52
PIM CONNECTOR
48
PIM CONNECTOR
54
PIM CONNECTOR
60
46
28
NOTES(TM) DATABASE
32
EXCHANGE DATABASE
34
THIRD PARTY DATABASE
DETECTOR
62
MAPPER
64
SYNCHRONIZATION REQUEST GENERATOR
68
FILTER
72
CONVERTER
74

FIG. 1

82

32

```
<Mapping>
<Ver>1. 0</Ver>                                    42
<DataSource>Exchange</DataSource>
<Target type="Address Book" configurable="yes" >
  <FirstName    map="FName"     display="First Name" />
  <MiddleName   map="MName"     display="MiddleInitial" />
  <LastName     map="LName"     display="Last Name" />
  <JobTitle     map=""          display="Job Title" />
  <Company      map="Company"   display="CompanyName" />
  <EMail1       map="EMail1"    display="EMail Address" />
  <Home         map=""          display="Home Phone" />
  <Work         map="Work"      display="Phone" />
  <Body         map="Notes"     display="Body" />
  <Birthday     map=""          display="Birthday" />
  <CarPhone     map=""          display="Car Phone" />
  <Department   map=""          display="Department" />
</Target>
</Mapping>
```

FIG. 2

84

```
<RimSync>
<Ver>1. 0</Ver>
<Sync>
  <User>John Smith Distinguished Name</User>
  <Target type="Address Book" >    <!-Device database -->
      <Update>
        <CmdID>1</CmdID>
        <GUID>823482348234834</GUID>
        <FirstName>John</FirstName>
        <MiddleName>Willey</MiddleName>
        <LastName>Smith</LastName>
        <JobTitle>MarketingMgr. </JobTitle>
        <Company>XYZ Ltd. </Company>
        <Email1>jw@xyz.net</Email1>
        <Home>888-9654</Home>
        <Work>888-7465</Work>
        <Body>Responsible for Inside Sales</Body>
        <Department>Sales & Marketing</Department>
      </Update>
  </Target>
</Sync>
</RimSync>
```

FIG. 3

86

```
<Record>
  <FName>John</FName>
  <MName>Willey</MName>
  <LName>Smith</LName>
  <Company>XYZ Ltd. </Company>
  <EMail1>jw@xyz.net</EMail1>
  <Work>888-7465</Work>
  <Notes>Responsible for Inside Sales</Notes>
</Record>
```

FIG. 4

90

```
<Mapping>
  <Ver>1. 0</Ver>
  <DataSource>Handheld</DataSource>
  <Target type="Address Book" ver"1.0">
      <Salutation     map="55" key="No"  display="Salutation" />
      <FName          map="32" key="Yes" display="First Name" />
      <MName          map="129"key="Yes" display="Middle Name" />
      <LName          map="128"key="Yes" display="Last Name" />
      <Title          map="42" key="No"  display="Job Title" />
      <Company        map="33" key="Yes" display="Company"/>
      <Email1         map="1"  key="No"  display="Email 1" />
      <Address1       map="35" key="No"  display="Address 1" />
      <City           map="38" key="No"  display="City"/>
      <State          map="39" key="No"  display="State/Prov"/>
      <Country        map="41" key="No"  display="Country"/>
      <Zip            map="40" key="No"  display="Zip Code" />
      <Fax            map="3"  key="No"  display="Fax"/>
      <Work           map="6"  key="No"  display="Work Phone" />
      <Home           map="7"  key="No"  display="Home Phone" />
      <Web            map="54" key="No"  display="Web URL" />
      <Mobile         map="8"  key="No"  display="Cell Phone" />
      <Pager          map="9"  key="No"  display="Pager"/>
      <PIN            map="10" key="No"  display="PIN"/>
      <Notes          map="64" key="No"  display="Notes"/>
      <UserDefine1    map="65" key="No"  display="User Def 1" />
      <UserDefine2    map="66" key="No"  display="User Def 2" />
      <UserDefine3    map="67" key="No"  display="User Def 3" />
      <UserDefine4    map="68" key="No"  display="User Def 4" />
  </Target>
</Mapping>
```

FIG. 5

94

```
[0x08][0x0A]                          <- Use Data Source object
  [0x10][0x08]   "Exchange"           <- Data source name
[0x09][0x0E]                          <- Use Database Object
  [0x20][0x0C]   "Address Book"       <- Database name.
[0x70][0x01] 1                        <- CmID
[0x03][0x16]                          <- Update command
  [0x01][0x04] 1234                   <- Record  UID
  [0x02][0x14]                        <- Record Fields
     [0x33][0x08]  "XYZ Ltd."         <- Company field changed
     [0x06][0x08]  "888-1234"         <- Phone number changed
```

FIG. 6

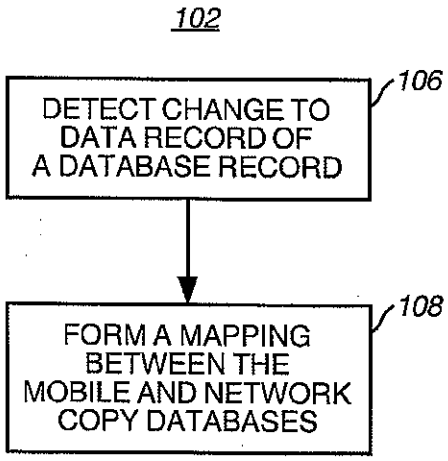


FIG. 7