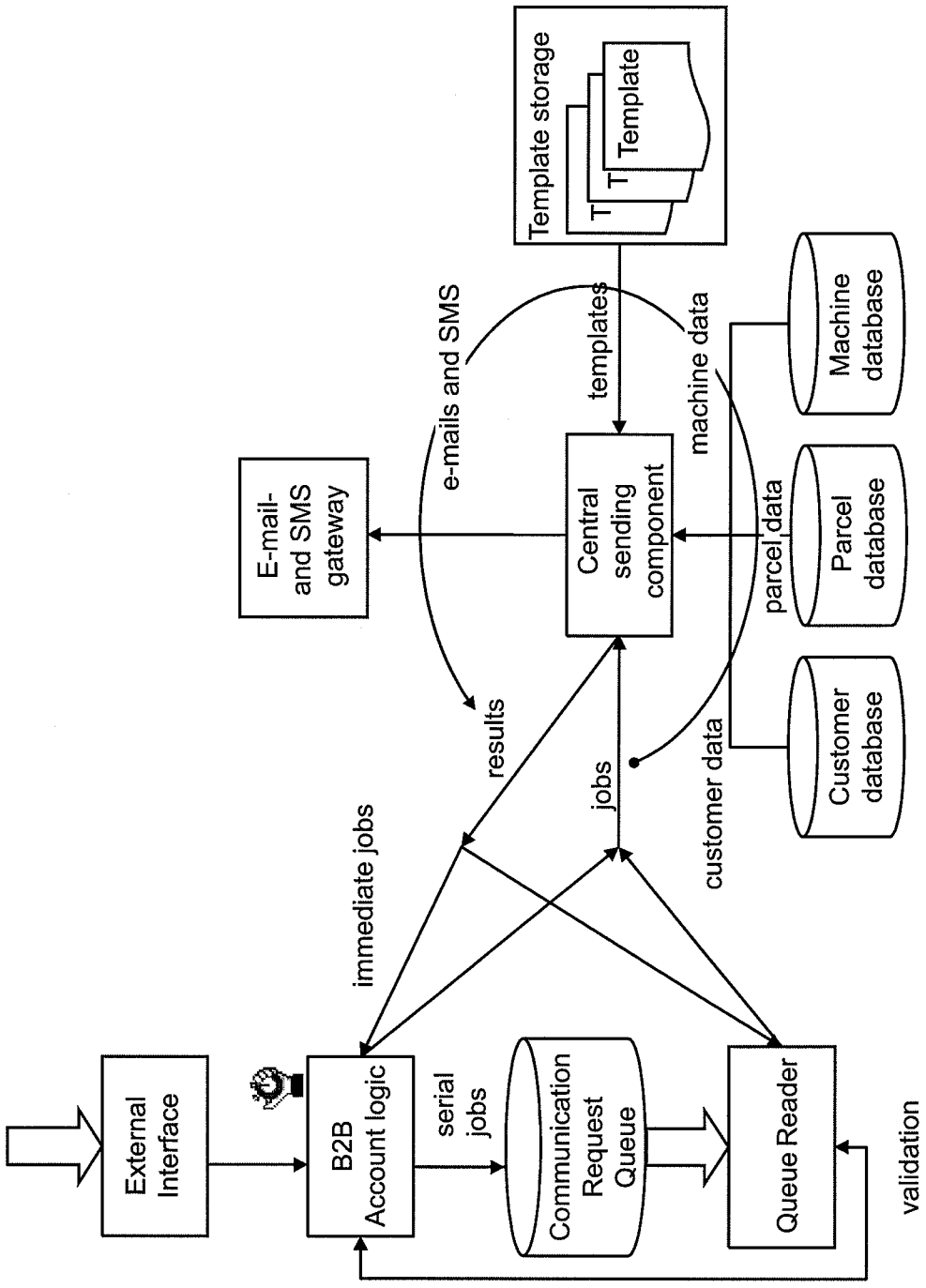

External Interface
B2B Account logic
serial jobs
Communication Request Queue
Queue Reader
validation
immediate jobs
results
jobs
customer data
machine data
parcel data
e-mails and SMS
templates
E-mail- and SMS gateway
Central sending component
Template storage
Template
Machine database
Parcel database
Customer database

Fig. 1

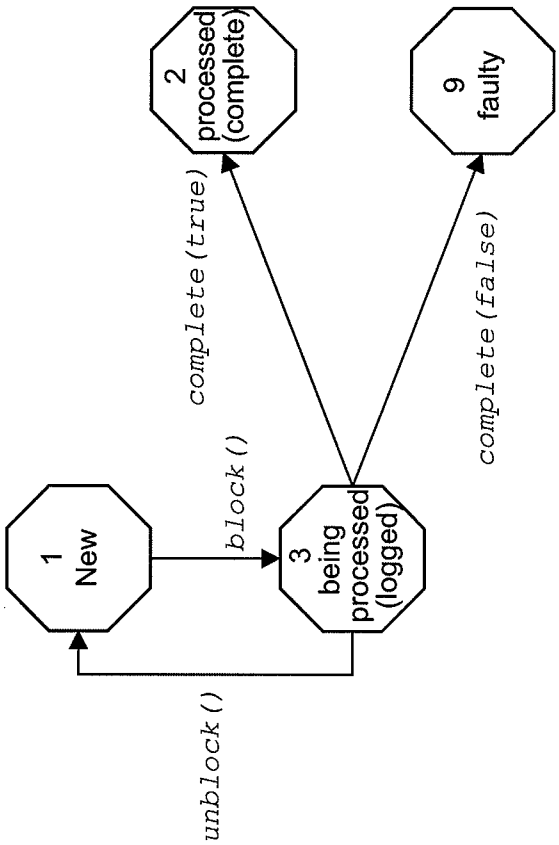

1
New
block()
3
being
processed
(logged)
unblock()
complete(true)
2
processed
(complete)
complete(false)
9
faulty

Fig. 2

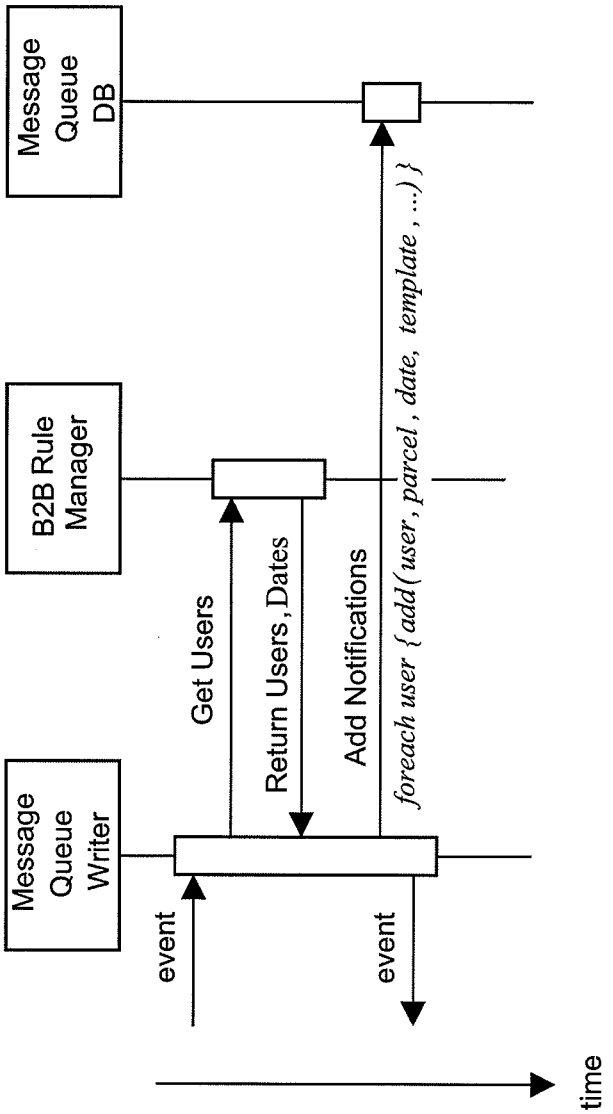

Message Queue DB
B2B Rule Manager
Message Queue Writer
Get Users
Return Users, Dates
Add Notifications
foreach user { add(user, parcel, date, template, ...) }
event
event
time

Fig. 3

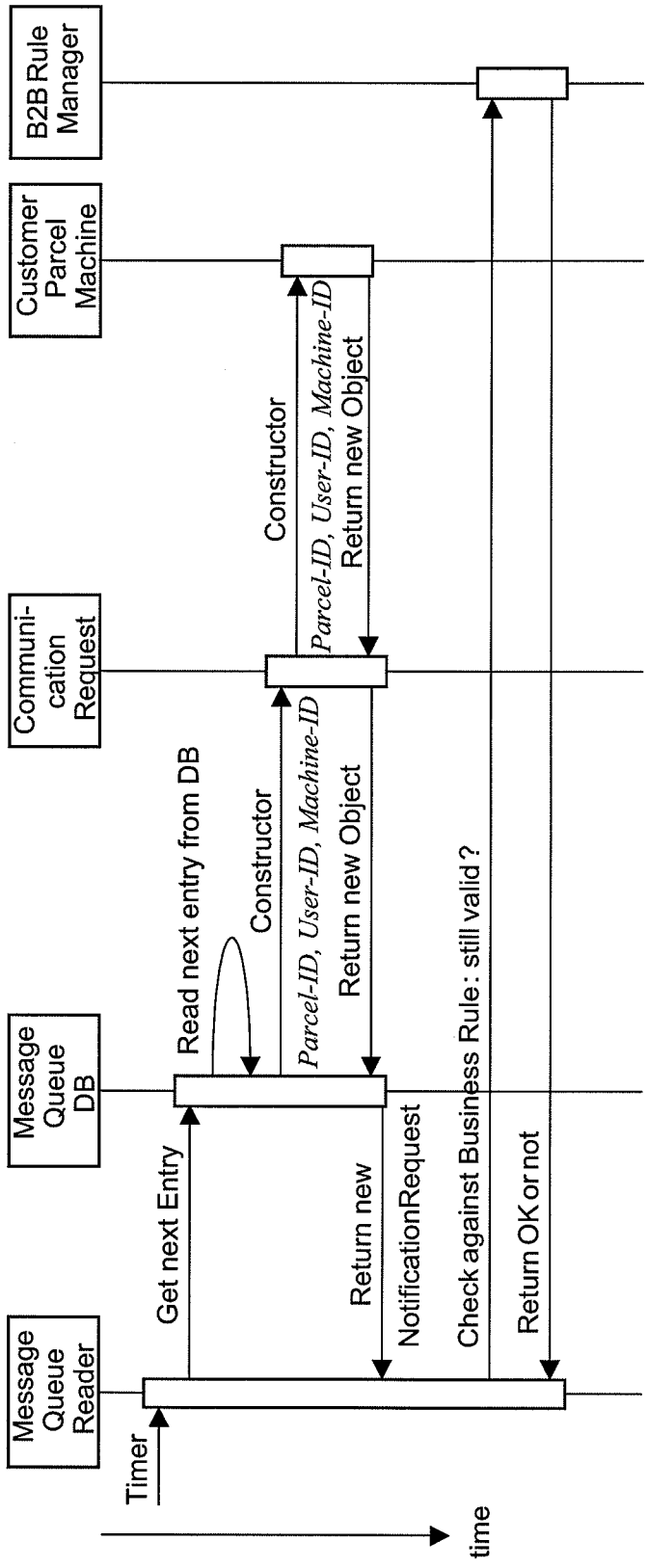

B2B Rule Manager
Customer Parcel Machine
Communi-cation Request
Message Queue DB
Message Queue Reader
Timer
time
Get next entry
Read next entry from DB
Constructor
Parcel-ID, User-ID, Machine-ID
Return new Object
Return new
NotificationRequest
Check against Business Rule: still valid?
Return OK or not

Fig. 4

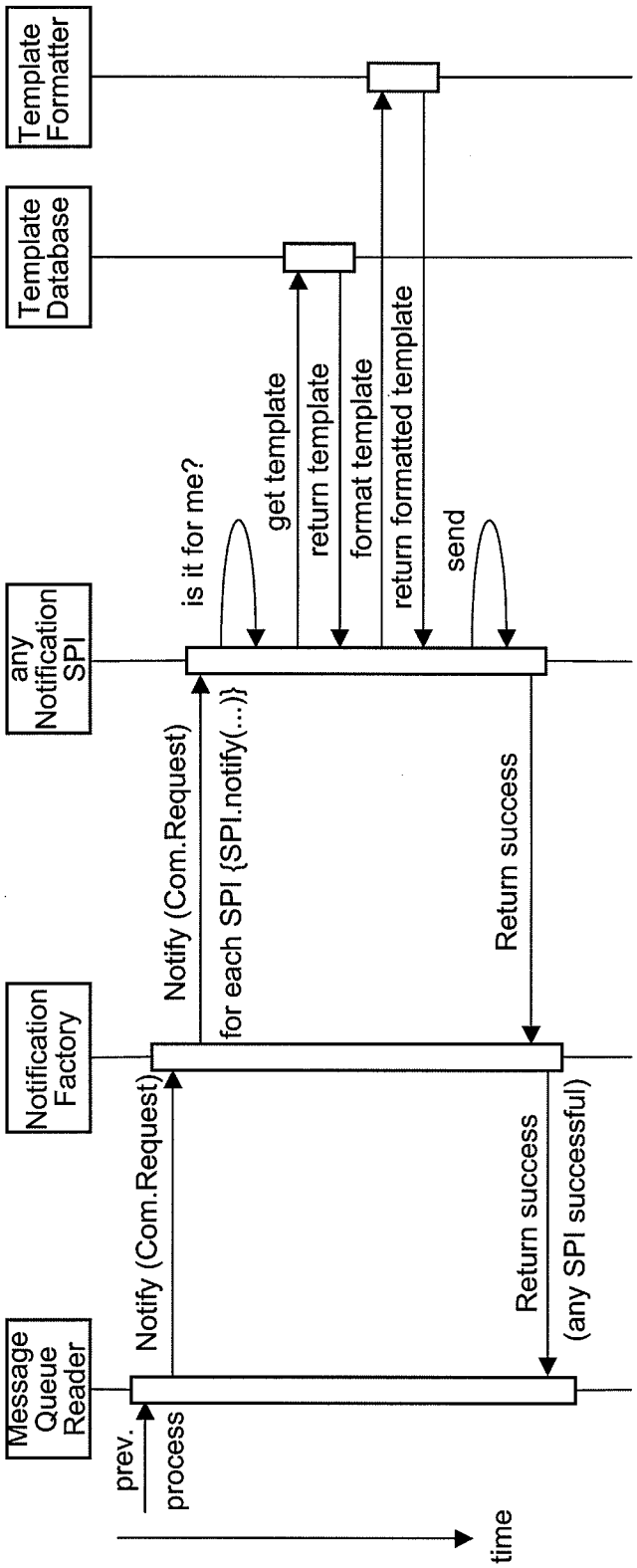

Template Formatter
Template Database
any Notification SPI
Notification Factory
Message Queue Reader
prev. process
time
Notify (Com.Request)
Notify (Com.Request)
for each SPI {SPI.notify(...)}
is it for me?
get template
return template
format template
return formatted template
send
Return success
Return success
(any SPI successful)

Fig. 5

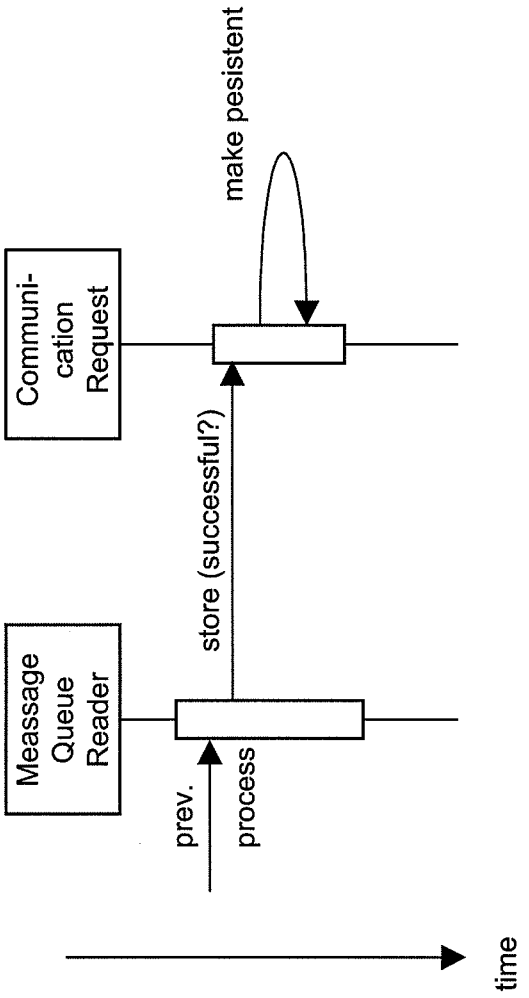

make pesistent
Communi-
cation
Request
store (successful?)
Meassage
Queue
Reader
prev.
process
time

Fig. 6