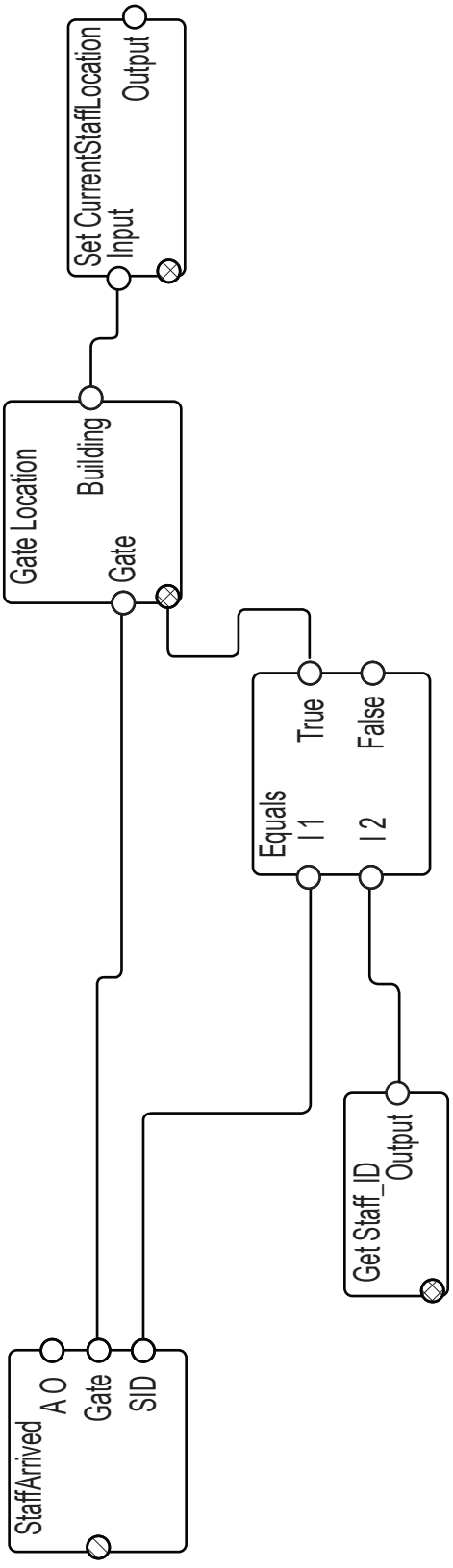

Set CurrentStaffLocation
Input
Output
Gate Location
Building
Gate
Equals
I 1
I 2
True
False
Get Staff_ID
Output
StaffArrived
A O
Gate
SID

FIG. 1

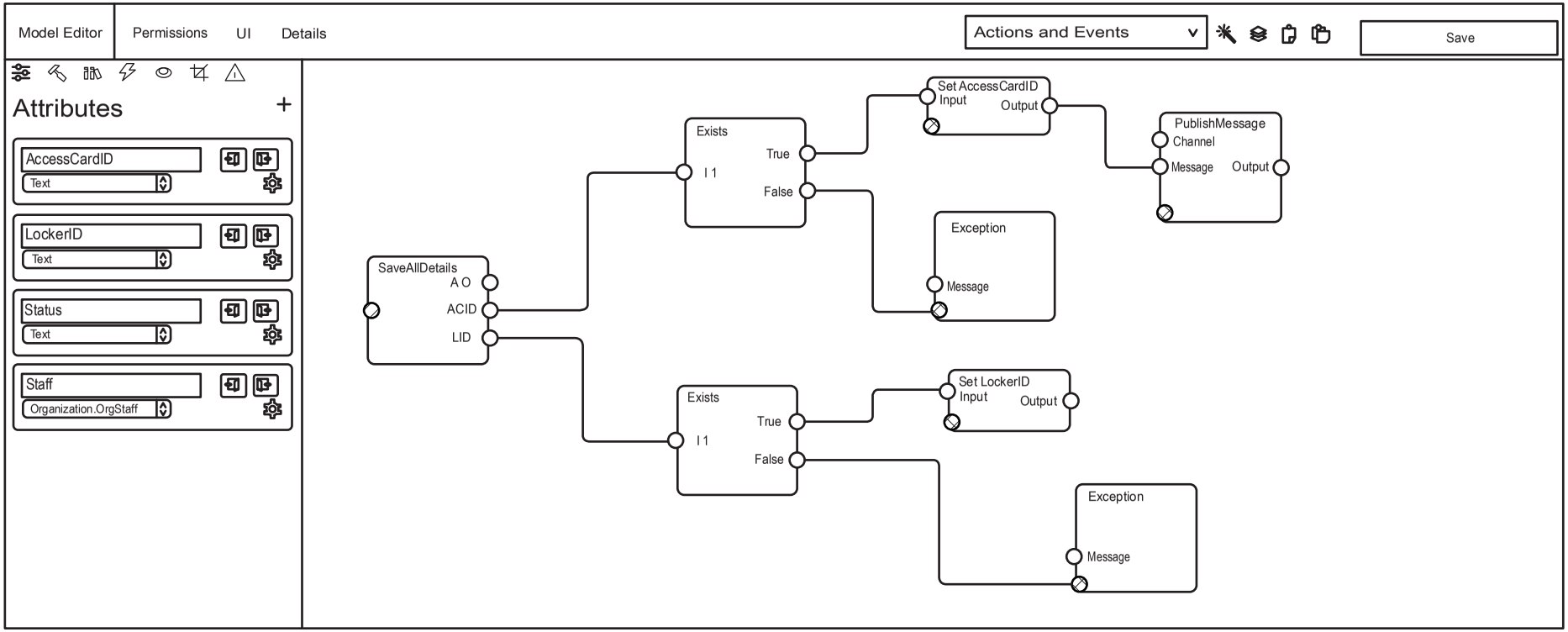

Model Editor
Permissions
UI
Details
Actions and Events
Save
Attributes
AccessCardID
Text
LockerID
Text
Status
Text
Staff
Organization.OrgStaff
SaveAllDetails
A O
ACID
LID
Exists
I 1
True
False
Set AccessCardID
Input
Output
PublishMessage
Channel
Message
Output
Exception
Message
Exists
I 1
True
False
Set LockerID
Input
Output
Exception
Message

FIG. 2

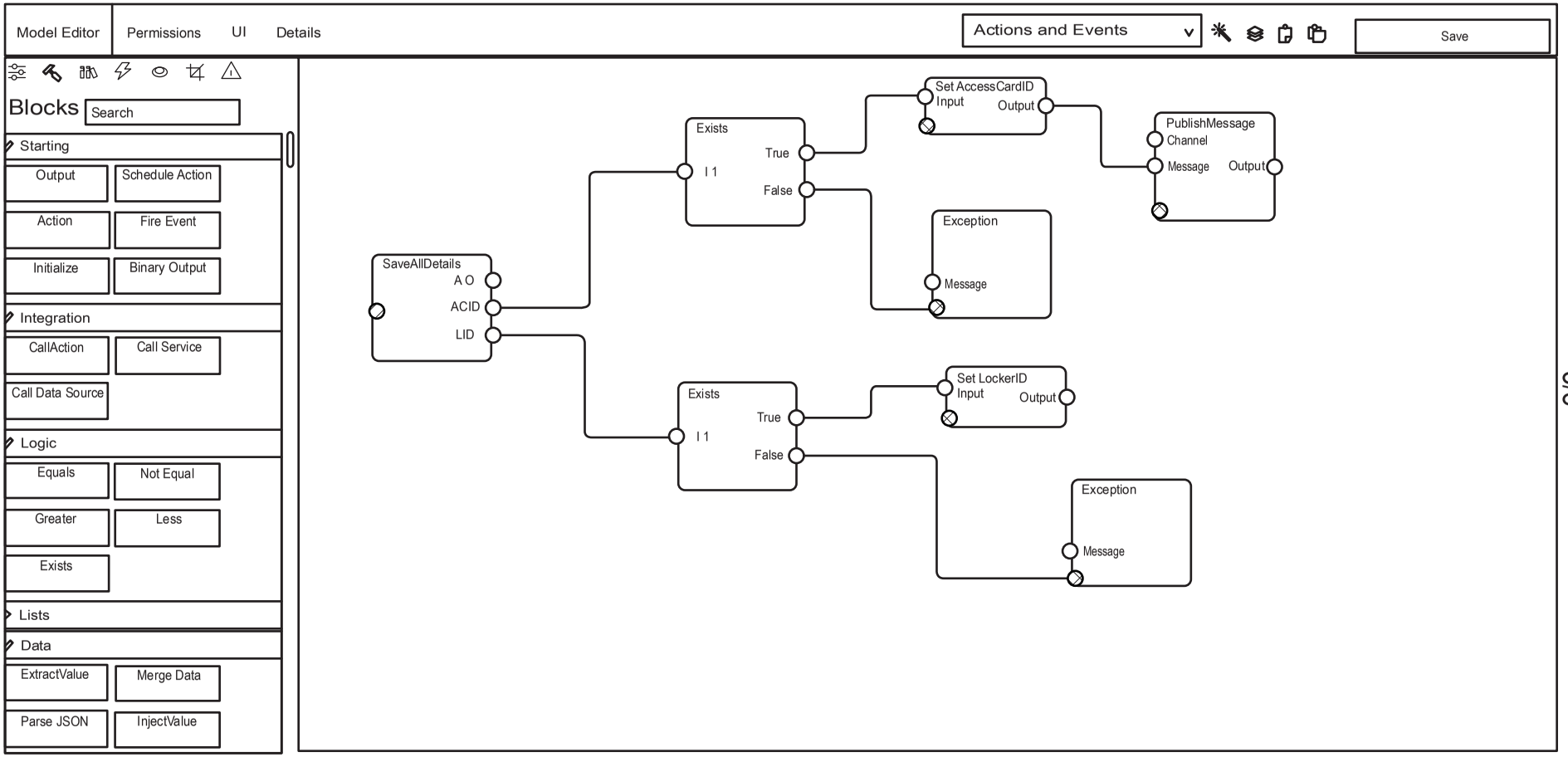

Model Editor
Permissions
UI
Details
Actions and Events
Save
Blocks
Search
Starting
Output
Schedule Action
Action
Fire Event
Initialize
Binary Output
Integration
CallAction
Call Service
Call Data Source
Logic
Equals
Not Equal
Greater
Less
Exists
Lists
Data
ExtractValue
Merge Data
Parse JSON
InjectValue
SaveAllDetails
A O
ACID
LID
Exists
I 1
True
False
Set AccessCardID
Input
Output
PublishMessage
Channel
Message
Output
Exception
Message
Exists
I 1
True
False
Set LockerID
Input
Output
Exception
Message

FIG. 3

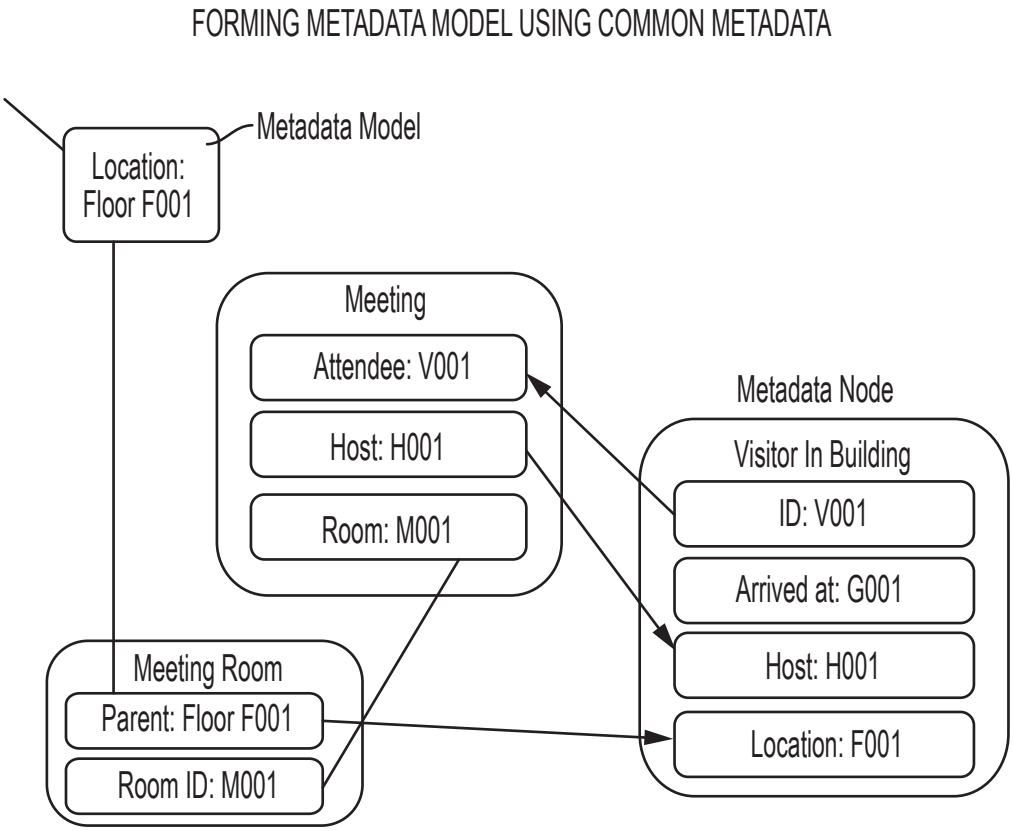

FORMING METADATA MODEL USING COMMON METADATA
Metadata Model
Location:
Floor F001
Meeting
Attendee: V001
Host: H001
Room: M001
Metadata Node
Visitor In Building
ID: V001
Arrived at: G001
Host: H001
Location: F001
Meeting Room
Parent: Floor F001
Room ID: M001

FIG. 4

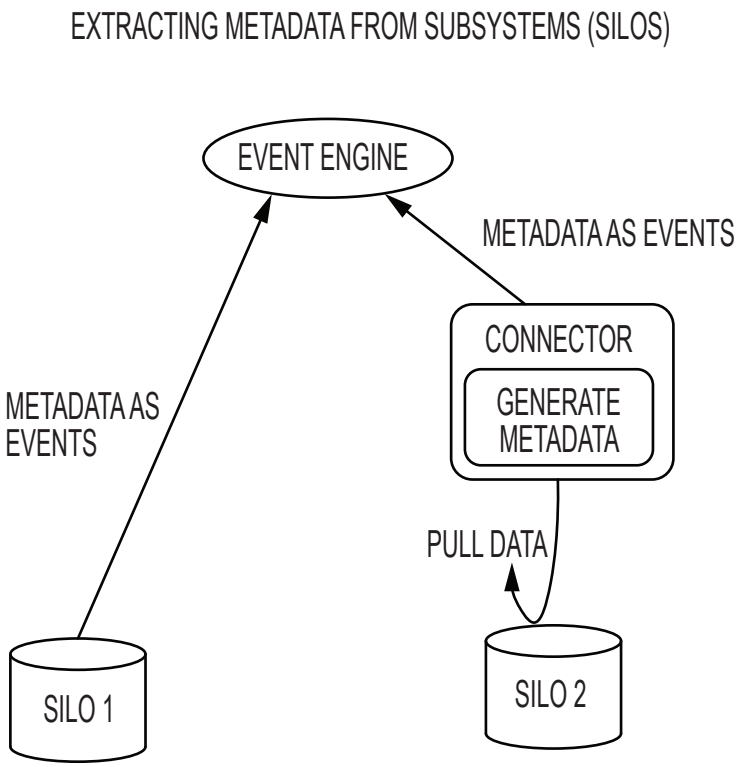

EXTRACTING METADATA FROM SUBSYSTEMS (SILOS)
EVENT ENGINE
METADATA AS EVENTS
CONNECTOR
GENERATE METADATA
METADATA AS EVENTS
PULL DATA
SILO 1
SILO 2

FIG. 5

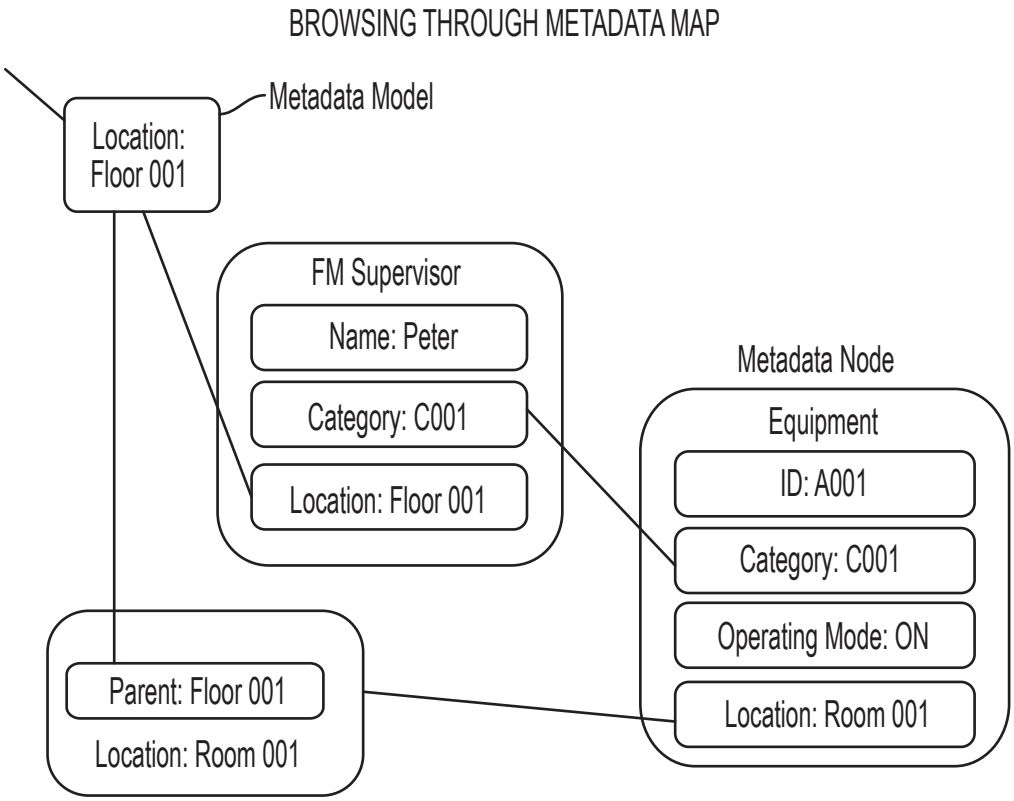

BROWSING THROUGH METADATA MAP
Metadata Model
Location:
Floor 001
FM Supervisor
Name: Peter
Category: C001
Location: Floor 001
Metadata Node
Equipment
ID: A001
Category: C001
Operating Mode: ON
Location: Room 001
Parent: Floor 001
Location: Room 001

FIG. 6

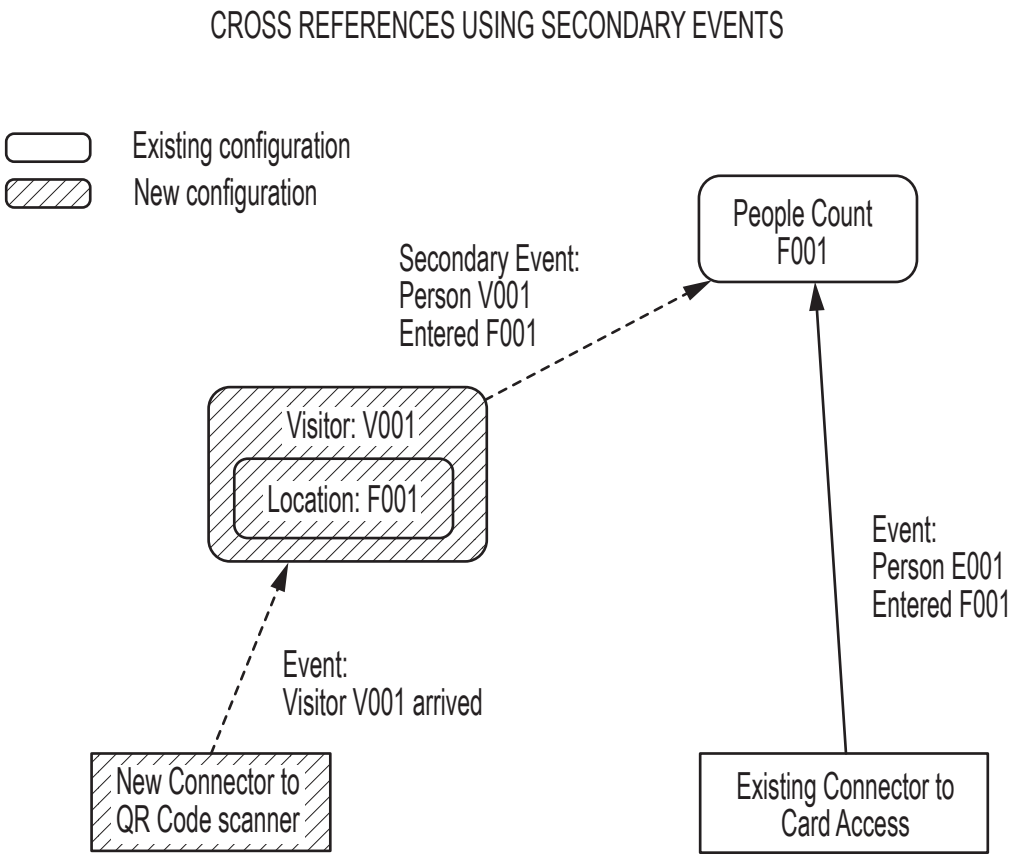

CROSS REFERENCES USING SECONDARY EVENTS
Existing configuration
New configuration
People Count
F001
Secondary Event:
Person V001
Entered F001
Visitor: V001
Location: F001
Event:
Person E001
Entered F001
Event:
Visitor V001 arrived
New Connector to
QR Code scanner
Existing Connector to
Card Access

FIG. 7

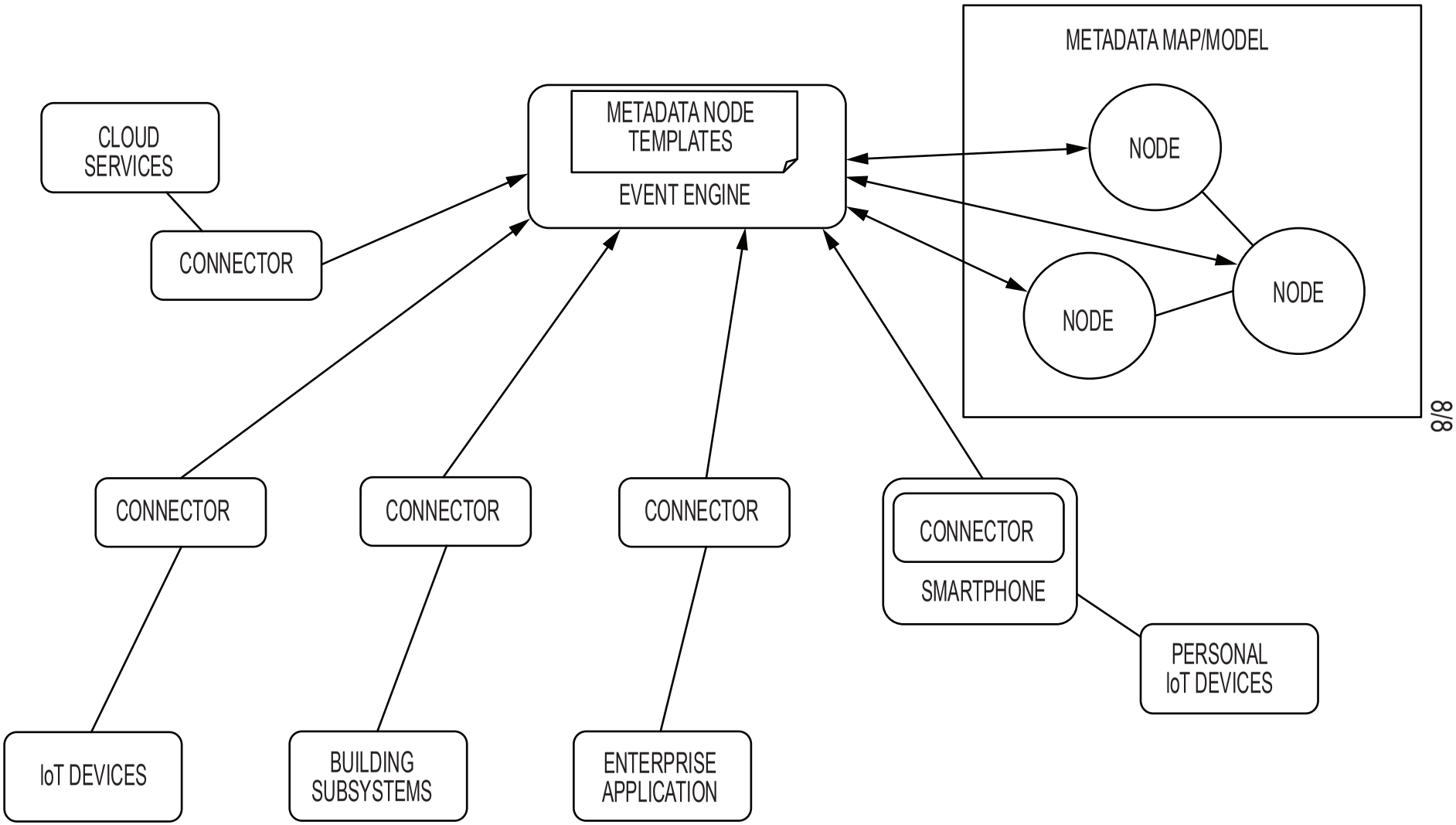

METADATA MAP/MODEL
NODE
NODE
NODE
METADATA NODE TEMPLATES
EVENT ENGINE
CLOUD SERVICES
CONNECTOR
CONNECTOR
CONNECTOR
CONNECTOR
CONNECTOR
SMARTPHONE
PERSONAL IoT DEVICES
IoT DEVICES
BUILDING SUBSYSTEMS
ENTERPRISE APPLICATION

FIG. 8