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Bourdev

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(54) **METHOD AND SYSTEM TO MONITOR INSTALLATION OF A SOFTWARE PROGRAM**

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(51) **Int. Cl.**
G06F 9/45 (2006.01)
(52) **U.S. Cl.** **717/174**
(58) **Field of Classification Search** 717/174, 717/149
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

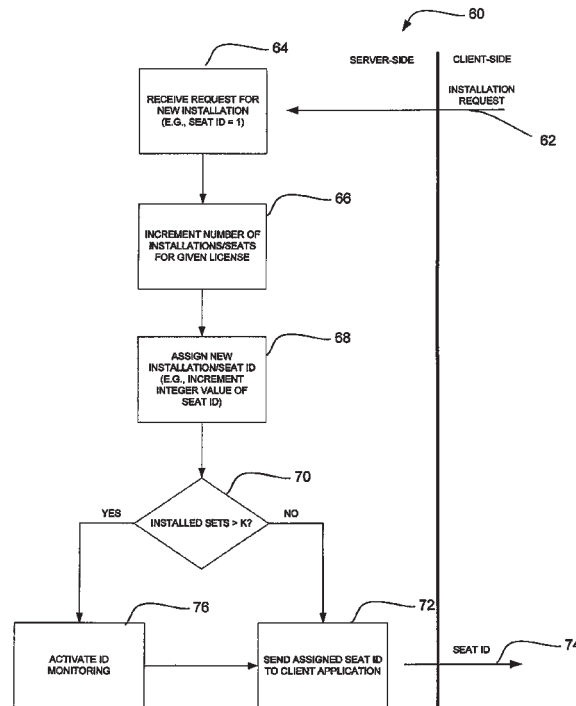|					
5,509,070	A	*	4/1996	Schull	705/54
5,815,484	A	*	9/1998	Smith et al.	369/275.1
5,953,532	A	*	9/1999	Lochbaum	717/176
6,009,401	A	*	12/1999	Horstmann	705/1
6,009,525	A	*	12/1999	Horstmann	726/22
6,027,622	A	*	2/2000	Graser et al.	204/426
6,243,468	B1	*	6/2001	Pearce et al.	380/255
6,243,692	B1	*	6/2001	Floyd et al.	705/59
6,334,214	B1	*	12/2001	Horstmann	717/170
6,854,061	B2	*	2/2005	Cooper et al.	713/190
2002/0083318	A1	*	6/2002	Larose	713/164
2002/0197528	A1	*	12/2002	Zunke	429/144
2003/0088515	A1	*	5/2003	Cooper et al.	705/50
2004/0025033	A1	*	2/2004	Todd	713/189
2005/0038752	A1	*	2/2005	Gaetano et al.	705/59
2006/0106728	A1	*	5/2006	Yellai et al.	705/59

* cited by examiner

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(57) **ABSTRACT**

A method and a system is provided of monitoring installation of a software program on at least one user computer. The software program may be subject to a license agreement that specifies a number of permitted installations of the software program. The method may comprising receiving an installation identifier identifying a useable installation of the software program on the at least one user computer and determining if the installation identifier is one of a set of installation identifiers. The set of installation identifiers may comprise at least one monitored installation identifier and the set may be created or generated when a number of user installations exceeds a limit of installations (e.g., a number of permitted useable installations). When the received installation identifier is one of the set, the method may comprise modifying the set so that the received installation identifier is no longer a monitored installation identifier.
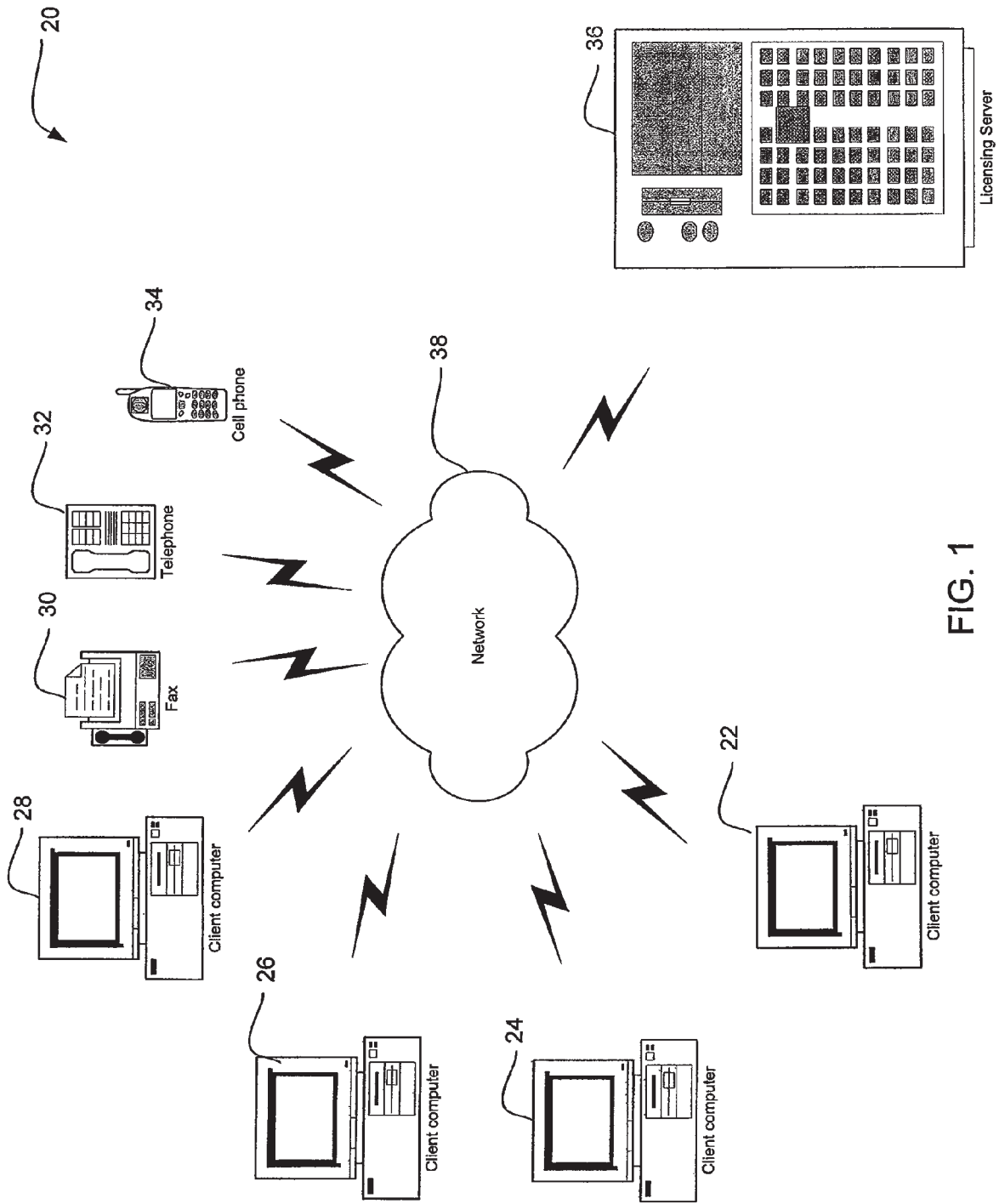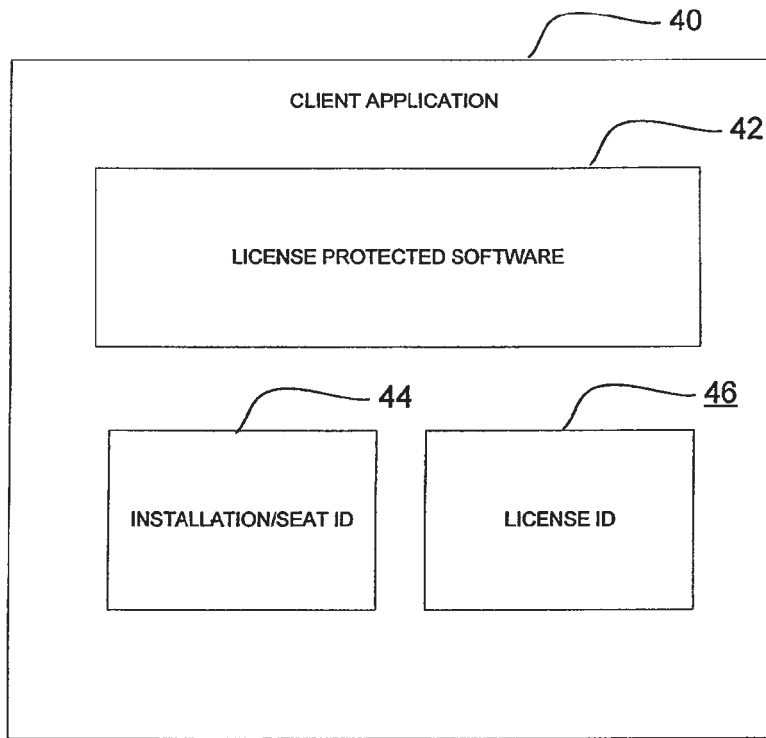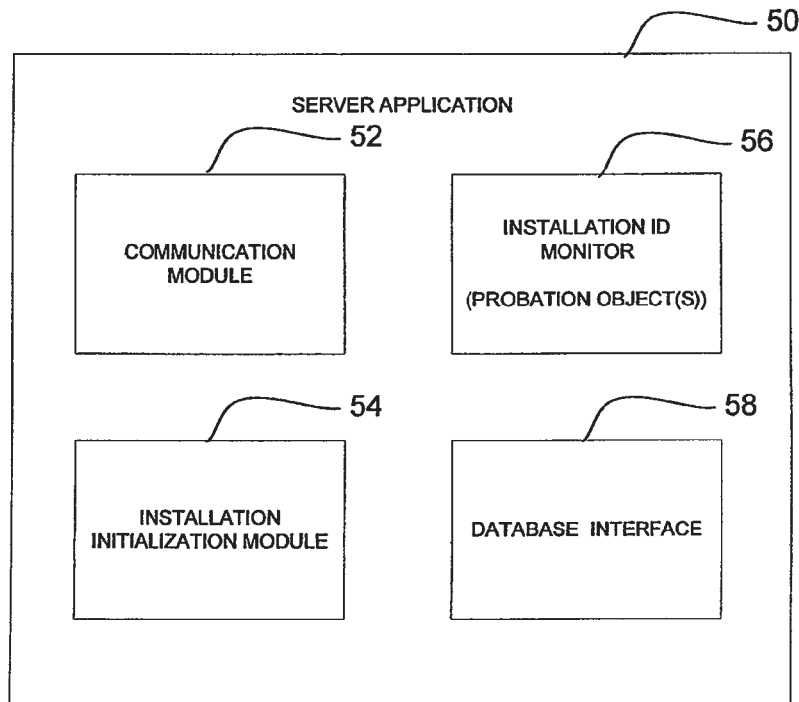
21 Claims, 12 Drawing Sheets

FIG. 1

40

CLIENT APPLICATION

42

LICENSE PROTECTED SOFTWARE

44

INSTALLATION/SEAT ID

46

LICENSE ID

FIG. 2

50

SERVER APPLICATION

52

COMMUNICATION
MODULE

56

INSTALLATION ID
MONITOR

(PROBATION OBJECT(S))

54

INSTALLATION
INITIALIZATION MODULE

58

DATABASE INTERFACE

FIG. 3

60

SERVER-SIDE | CLIENT-SIDE

64

```
RECEIVE REQUEST FOR
NEW INSTALLATION
(E.G., SEAT ID = 1)
```

INSTALLATION
REQUEST

62

66

```
INCREMENT NUMBER OF
INSTALLATIONS/SEATS
FOR GIVEN LICENSE
```

68

```
ASSIGN NEW
INSTALLATION/SEAT ID
(E.G., INCREMENT
INTEGER VALUE OF
SEAT ID)
```

70

INSTALLED SETS > K?

YES   NO

76

```
ACTIVATE ID
MONITORING
```

72

```
SEND ASSIGNED SEAT ID
TO CLIENT APPLICATION
```

SEAT ID

74

FIG. 4

80

START

82

REPORT DUE   NO

YES

84

COMMUNICATE LICENSE ID AND INSTALLATION/ SEAT ID TO SERVER

86

RECEIVE SERVER COMMUNICATION

88

PROCESS SERVER COMMUNICATION (E.G., UPDATE INSTALLATION/ SEAT ID)

FIG. 5

DOCKET ALARM
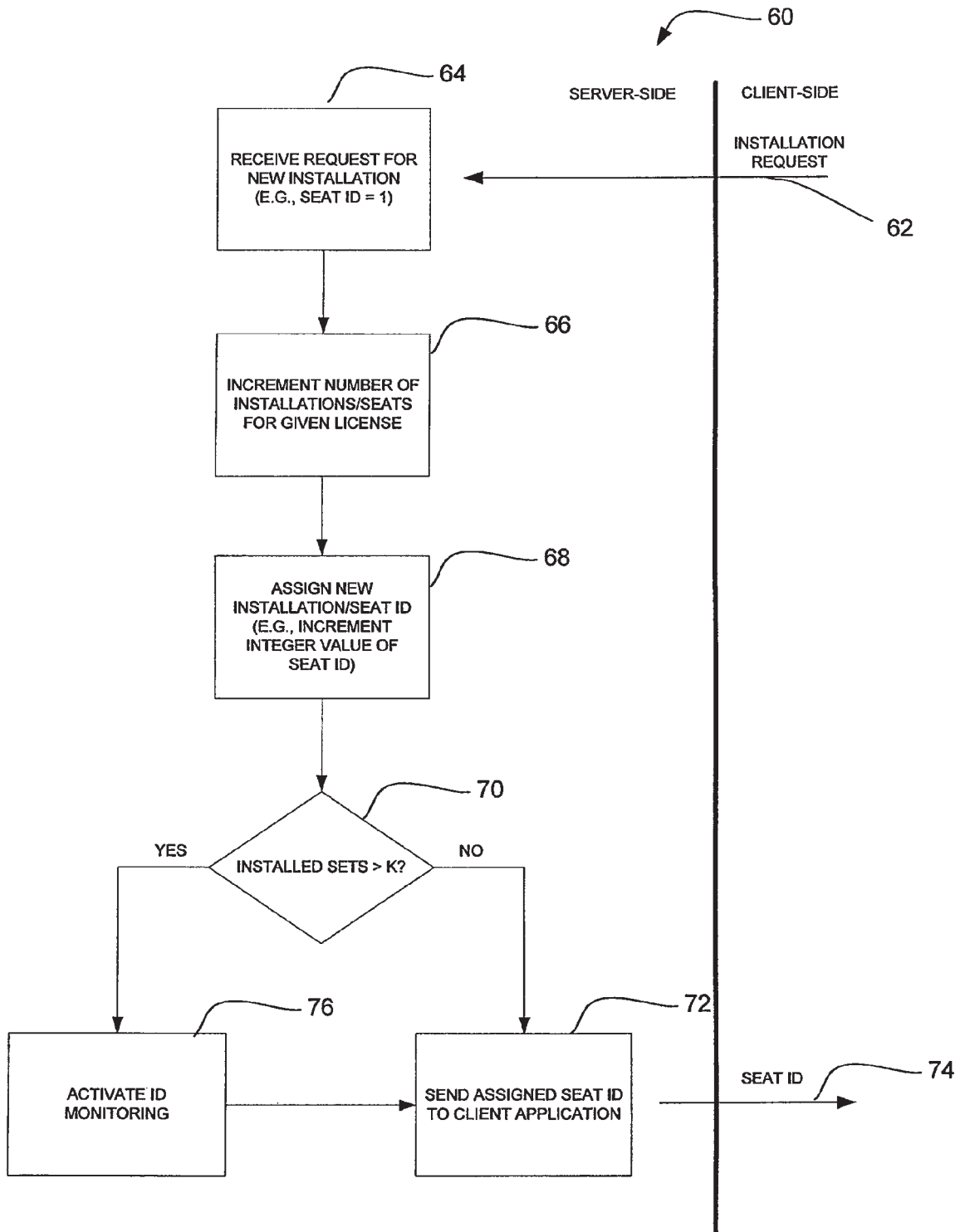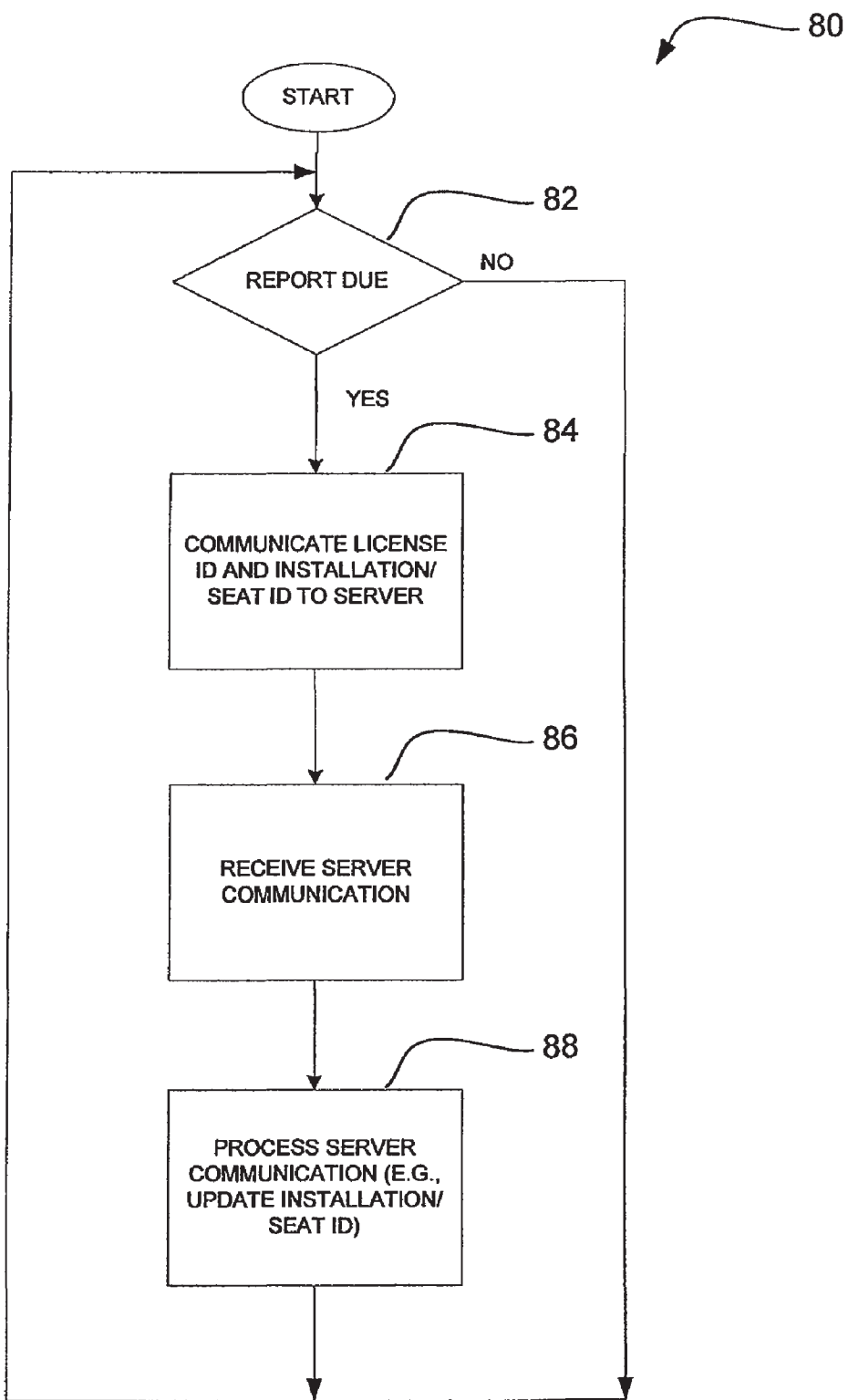
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