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Scarpelli et al.

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(54) **INTERFACING EXTERNAL METRICS INTO A PERFORMANCE MANAGEMENT SYSTEM**

(75) Inventors: **Joe Scarpelli**, Mountain View, CA (US); **Sridhar Sodem**, Santa Clara, CA (US); **Atul Garg**, Saratoga, CA (US); **Alex LeFaive**, Sunnyvale, CA (US); **Rajesh Badhe**, San Jose, CA (US)

(73) Assignee: **ProactiveNet, Inc.**, Alviso, CA (US)

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(51) Int. Cl.⁷ **G06F 15/173**

(52) U.S. Cl. **709/224; 709/223; 714/47**

(58) Field of Search **709/223, 224; 714/47**

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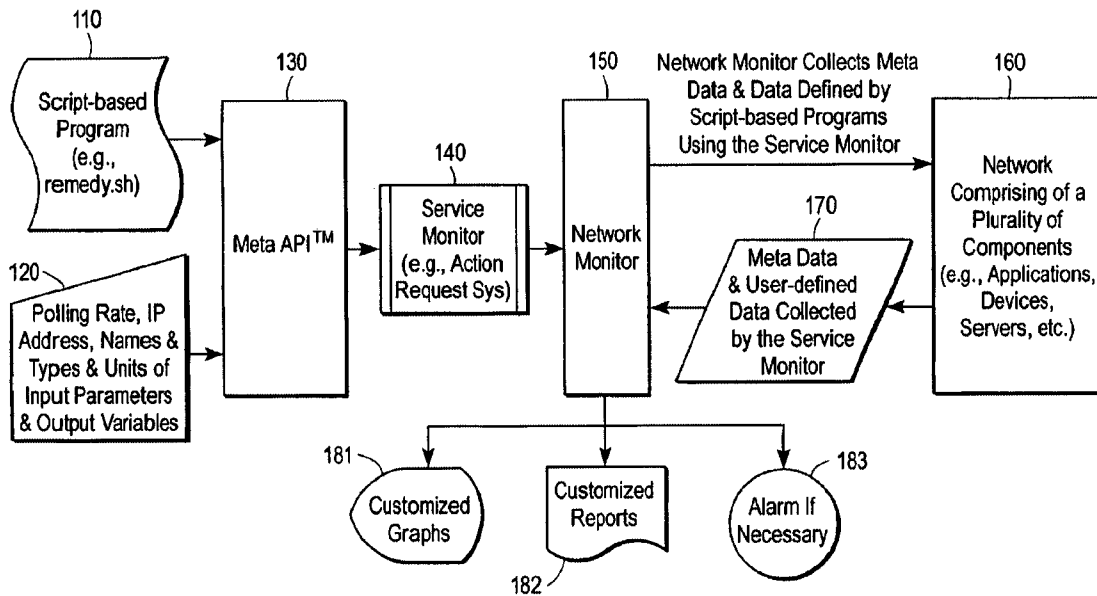
Primary Examiner—Nabil El-Hady

(74) *Attorney, Agent, or Firm*—Blakely, Sokoloff, Taylor & Zafman LLP

(57) **ABSTRACT**

A method and apparatus for network management is described. In one embodiment, a method comprises collecting performance data having accompanying meta data including information defining the performance management data and information indicating operations to be performed on the performance management data, and generating output data for display using collected performance management data according to the information indicating the operations to be performed on the performance management data.

12 Claims, 12 Drawing Sheets



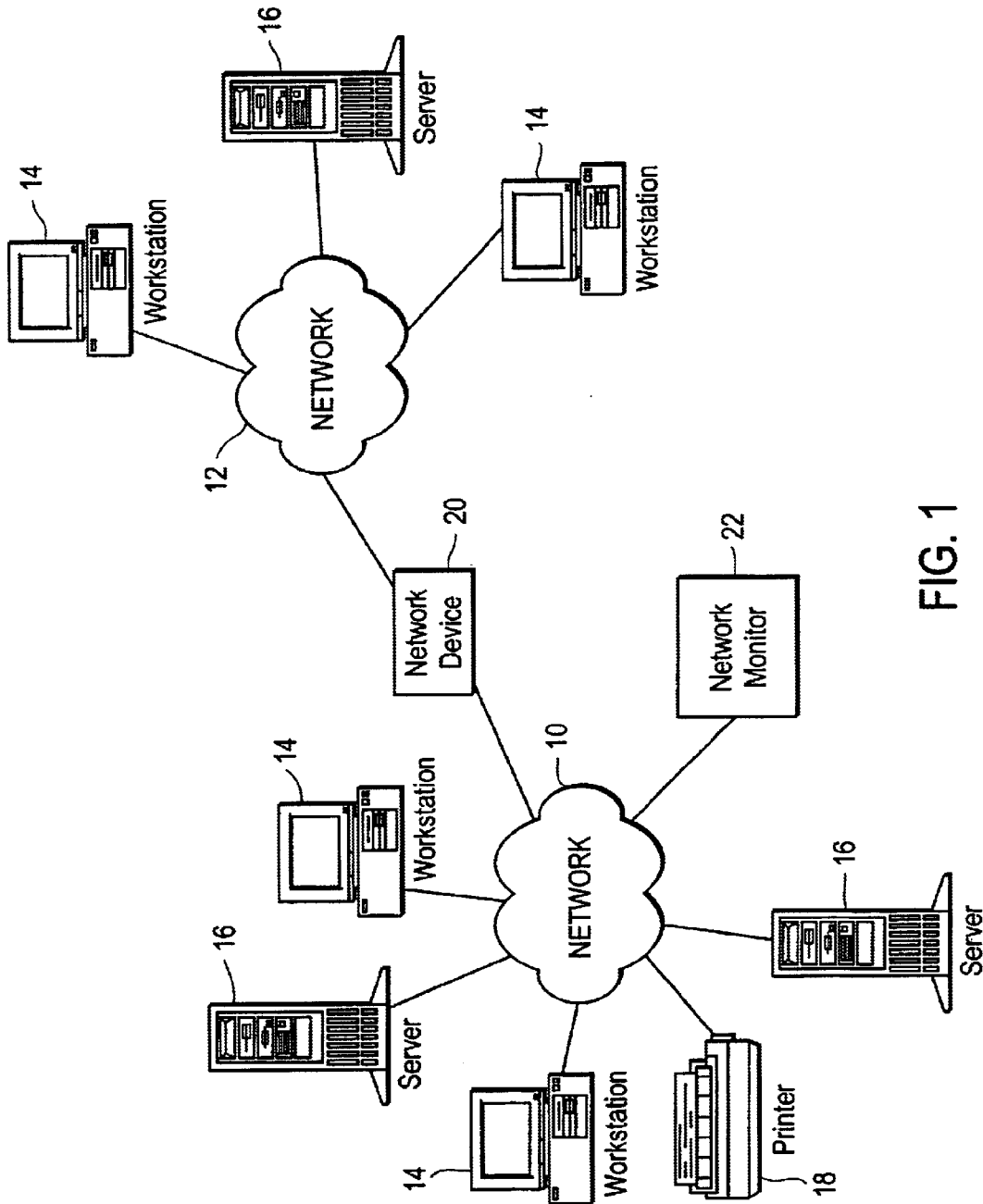


FIG. 1

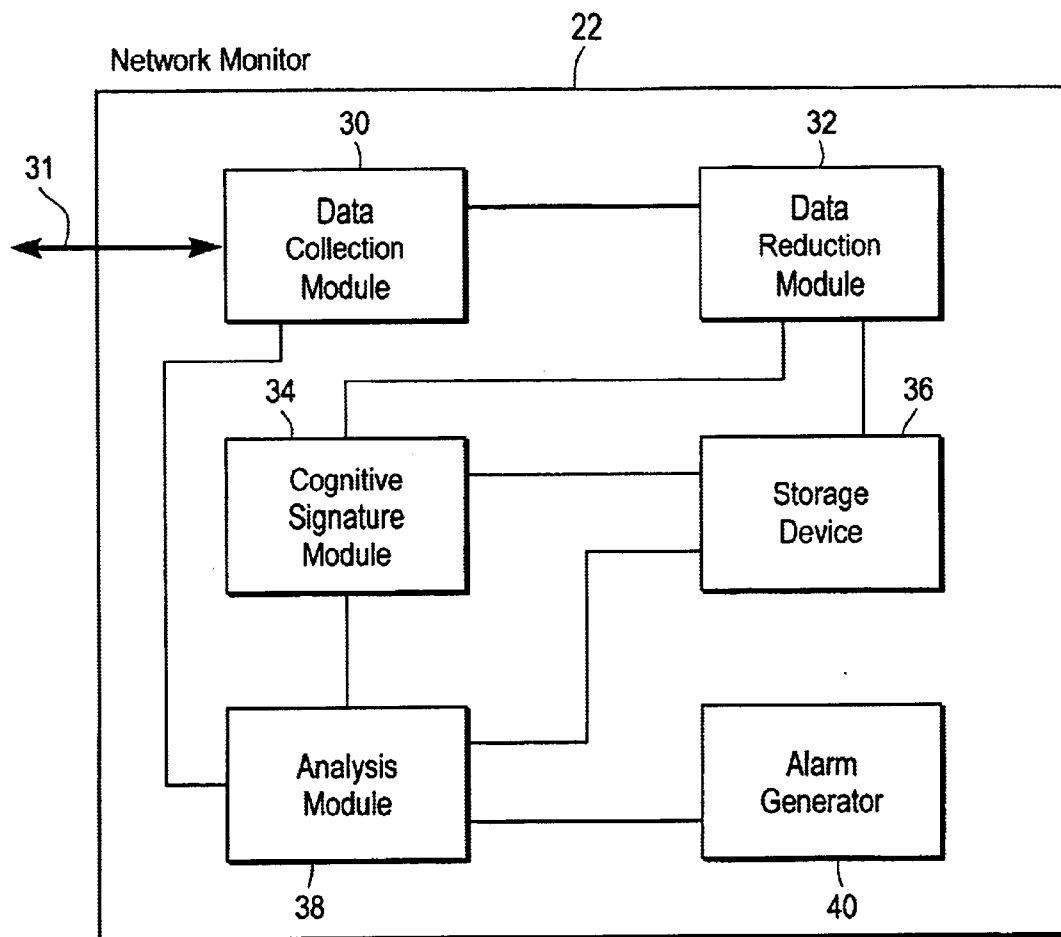


FIG. 2

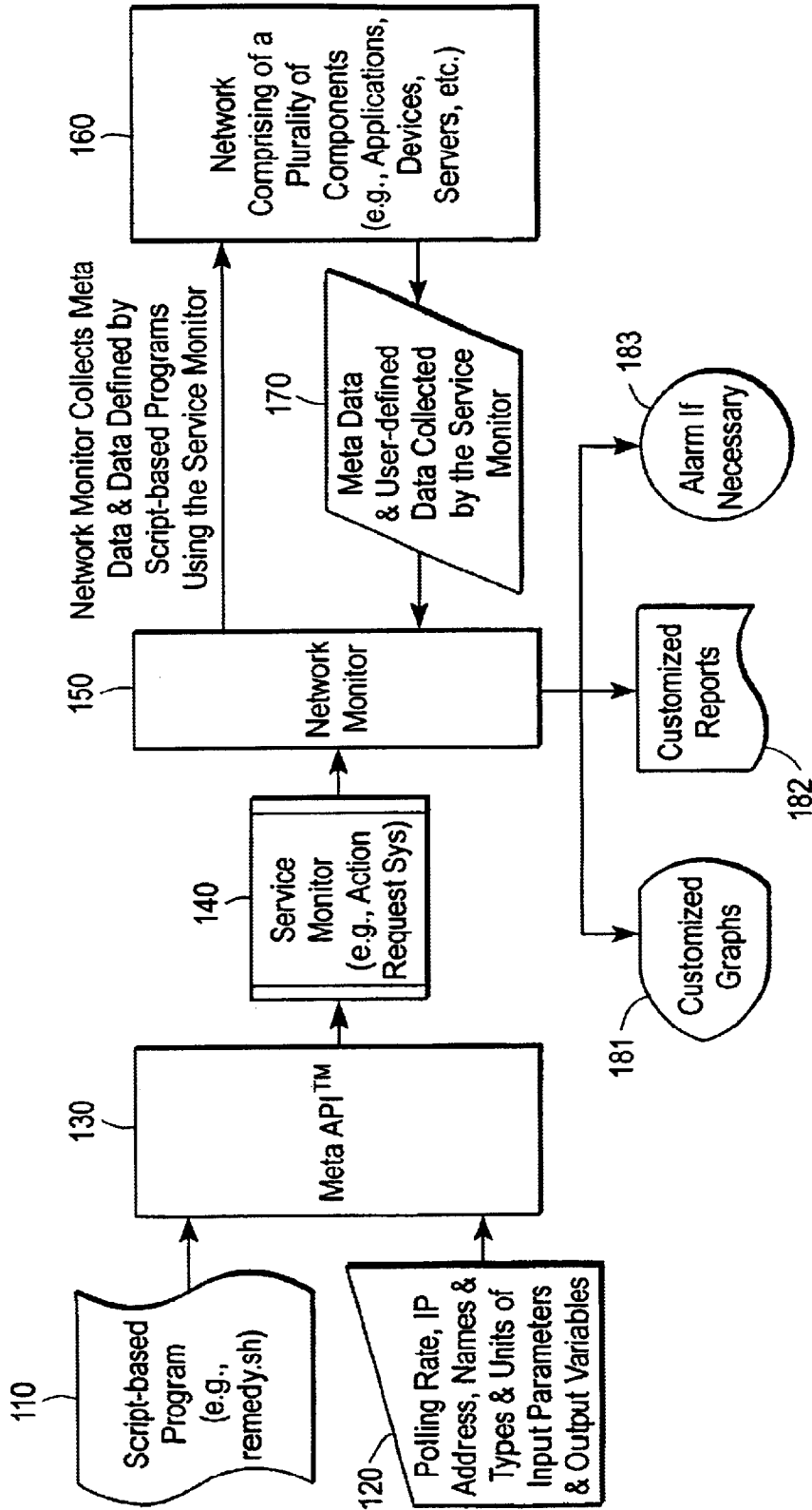


FIG. 3

```

#!/bin/sh
##### #
# Copyright : © 1999 ProactiveNet Inc.
# File : remedy.sh
# Description : Returns information on the Remedy ARS Service Monitor
# Author : Steven Snyder
# Date : $Date: 1999/06/24
##### #
# This script takes the following parameters:
# USERNAME: Remedy user login
# PASSWORD: The users password
# SERVER: The ip address of the Remedy ARS server
#
# This example executes a binary, passing the username, password, server to connect to, and the commands
# to execute. The binary logs into the server, executes the commands and echoes the data to standard out
# where it's read by the ProactiveNet system.
# Initialization etc. ##### #
unalias -a

RESPONSESCRIPT=/usr/ar/api/src/driver/driver1.in
CONFIGSCRIPT=/usr/ar/api/src/driver/driver2.in
DRIVER=/usr/ar/api/src/driver/driver
CAT=/bin/cat
ECHO=echo # shell built-in
RM=/bin/rm

PATH=/bin:/usr/bin:/usr/sbin:/etc
export PATH

progrname='basename $0'

if [ $# -lt 5 ]
then
$ECHO "usage $progrname -[config|stat] <ip> <timeout> <username>
<password>">&2
exit 1
fi

SERVER=$2
USERNAME=$4
PASSWORD=$5

if ["$1" = "-stat"]
then
$DRIVER $USERNAME $PASSWORD $SERVER $RESPONSESCRIPT
fi

# -----
if ["$1" = "-config"]
then
$DRIVER $USERNAME $PASSWORD $SERVER $RESPONSESCRIPT
fi
exit 0

```

FIG. 4

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