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SERIAL NUMBER	FILING DATE	CLASS	SUBCLASS	GROUP ART UNIT	EXAMINER
07/761269	09/17/91	340	825.57-0	2604	HORABIK

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CONTINUING DATA************

VERIFIED   THIS APPLN IS A CIP OF   07/684,695   04/12/91   ABN

yes

FOREIGN/PCT APPLICATIONS************

VERIFIED

None

FOREIGN FILING LICENSE GRANTED 12/07/91   ***** SMALL ENTITY *****

Foreign priority claimed ☐ yes ☒ no	AS FILED →	STATE OR COUNTRY	SHEETS DRWGS.	TOTAL CLAIMS	INDEP. CLAIMS	FILING FEE RECEIVED	ATTORNEY'S DOCKET NO.
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TITLE

NETWORK MONITORING   A Method Of Tracking Node Addresses

U.S. DEPT. of COMM.-Pat. & TM Office — PTO-436L (rev. 10-78)

Microfiche
Appendix
655 microfiche
14 pages

PARTS OF APPLICATION FILED SEPARATELY

NOTICE OF ALLOWANCE MAILED	PREPARED FOR ISSUE		CLAIMS ALLOWED	
	Assistant Examiner	Docket Clerk	Total Claims	Print Claim
ISSUE FEE			**DRAWING**	
Amount Due	Date Paid		Sheets Drwg.	Figs. Drwg.	Print Fig.
		Primary Examiner		

	ISSUE CLASSIFICATION		ISSUE BATCH NUMBER
Label Area	Class	Subclass	

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Form PTO-436

TITLE: NETWORK MONITORING

APPLICANT: FERDINAND ENGEL, KENDALL S. JONES, KARY ROBERTSON, DAVID M. THOMPSON, GERARD WHITE

"Express Mail" mailing label number <u>FB48718394XUS</u>

Date of Deposit <u>September 17, 1991</u>

I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

System group:
none

Interfaces group
ifType
ifPhysAddress
ifOperStatus
ifInOctets
ifInUcastPkts
ifInNUcastPkts
ifOutOctets
ifOutUcastPkts
ifOutNUcastPkts

Address Translation Group
none
IP group
ipForwarding
ipDefaultTTL
ipInReceives
ipInHdrErrors
ipInAddrErrors
ipForwDatagrams
ipReasmReqds
ipFragCreates

IP Address Table
ipAddress
ipAdEntBcastAddr

IP Routing Table
none
ICMP group
icmpInMsgs
icmplnErrors
icmpInDestUnreachs
icmpInTimeExcds
icmpInParmProbs
icmpInSrcQuenchs
icmpInRedirects
icmpInEchoes
icmpInEchoReps
icmpInTimestamps
icmpInTimestampReps

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```
icmpOutEchoes
icmpOutEchoReps
icmpOutTimestamps
icmpOutTimestampReps
icmpOutAddrMasks
icmpOutAddrmaskReps

TCP group
tcpActiveOpens
tcpPassiveOpens
tcpAttempFails
tcpEstabResets
tcpCurrEstab
tcpInSegs
tcpOutSegs
tcpRetransSegs
tcpConnTable

UDP group
udpInDatagrams
udpInErrors
udpOutDatagrams
udpOutErrors

EGP group
egpInMsgs
egpInErrors
egpoutMsgs
egpOutErrors
```

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AIP.I-2

```
MIB_BUCKETS_PER_RATE        12
MIB_PROTOCOLS_PER_DIALOG    10
MibBucketsPerRate           12
MibProtocolsPerDialog       10

MIB_MAX_PROTOCOL            10
MIB_MAX_MOST_ACTIVE         5
MIB_MAX_DIALOG             3
```

Structures Used

```
typedef struct {
    Byte                    year
    Byte                    month
    Byte                    date
    Byte                    day
    Byte                    hour
    Byte                    minute
    Byte                    second
    Byte                    unused
} MibTimeOfDay


typedef struct mib_count32_type {
Uint32      accum           ( Long term accum. count)
Uint32      current         ( Present running count)
Uint32      highThld
} MibCount32


typedef struct mib_count64_type {
Uint64      accum           ( Long term accum. count)
Uint64      current         ( Present running count)
Uint64      highThld
} MibCount64
```

App. II - 1

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