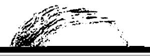
KAWASAKI STEEL TECHNICAL REPORT No. 27 November 1992

Realtime UNIX "UNOS" and Its Application*



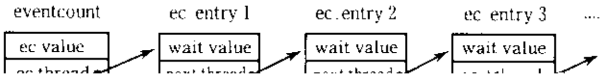
Synopsis:

[redacted]

of research and development, for example, in computer-supported design and software development. However, the conventional UNIX handles all processes on an equal basis, is therefore unable to cope with commer-

resources is required.

In reality, individual processes have both CPU bound and I/O bound aspects, which typically differ in strength. Because individual processes are managed by scheduler is activated, and the execution right is passed to another process. However, even when an I/O wait does not occur during Δt, the scheduler activates when




①
VME bus
②
VME bus
③
VME bus

Universe
CPU: MC68030 (25 MHz)

It is of course desirable to select applications in which these features can be used to best advantages. Such applications generally involve what is termed "on-line [illegible]

sharp changes in required quantities.

To make it possible to cope flexibly with changes in product delivery and lot size requirements, as well as [illegible]

[illegible]

sible with the informix exclusion processing function.

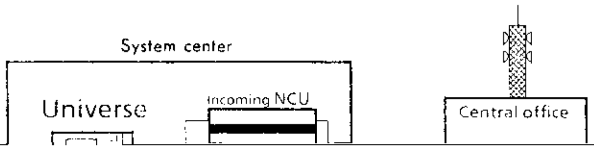
5.2 Data Entry System

various types of data which play a central role in an information-intensive society into a form which can be

Corporation.

5.3 Telecontrol System

lemetering systems which read consumption meters for public utilities such as gas, water, and electricity by way


System center
Universe
Incoming NCU
Central office