KAWASAKI STEEL TECHNICAL REPORT
No.17 ( October 1987 )

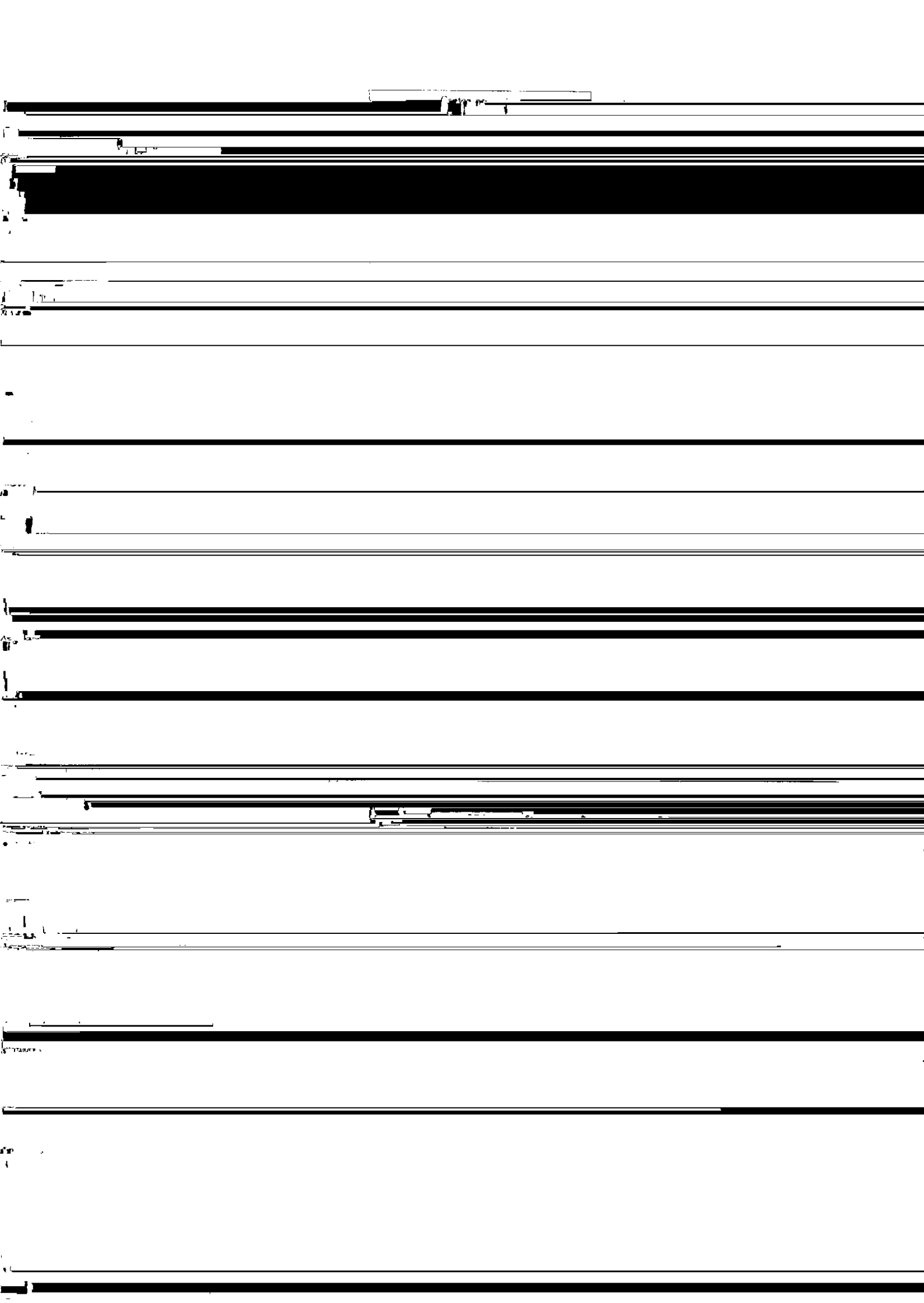
# Control System for Cargo Berth and Automated Warehouse

Satoru Takahashi, Haruyuki Tanaka, Isao Ichihara, Hironobu Tahara, Toshio Abe, Nobuo Hasegawa

Synopsis :
The control system of the cargo berth and automated warehouse covers from bringing-in of products by trailers to ship-loading by gantry crane, and deals with all the products of the Steel Works. In this system the automation of warehouse is an important factor and all storage and issuing operations at the automated warehouse are carried out by a

# Control System for Cargo Berth and Automated Warehouse*

Synopsis:



#### 4.1.4 Formation of lots for products to be loaded onto trailers

Based on requirements for products delivered from

lem, carrier cars to be used are determined flexibly and instructions are issued while the progress condition of cargo handling in both yards are monitored. In this manner, concentration of work on a specific

data and starts again. In case of a trouble in a cargo the warehouse thus determined are supplied to the

tinued in an automatic mode after restoration.

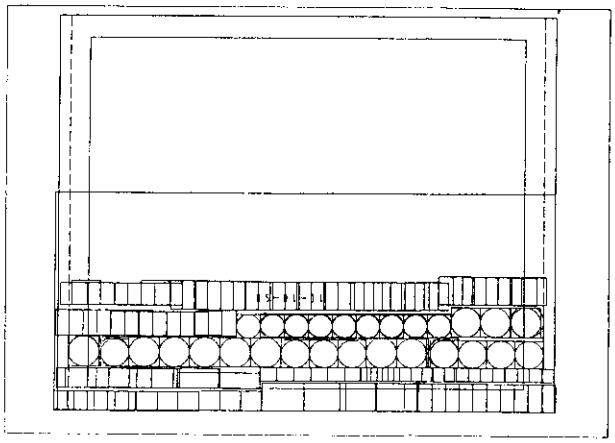


Fig. 4 A view from top of the loading in a hold

Photo 1 View of Control room

## 8 Conclusions

An operation control system for the product shipping