

Title (en)

Monitoring system for load carriers.

Title (de)

System zur Überwachung der Tragfähigkeit z.B. bei einem Kran.

Title (fr)

Système moniteur de la limite de charge par exemple d'une grue.

Publication

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Application

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Abstract (en)

The monitoring system comprises a number of transducers (21,22,23) which are connected to a central unit in order to measure variables which affect the carrying ability of the load carrier. Memory means is also provided and stores data which defines the inter-relationships between the variables. The data defines the inter-relationships in terms of multi-dimensional surfaces or manifolds with a boundary corresponding to the operational limits of the system. Computing means connected to the transducers (21, 22, 23) and the memory means performs real time calculation of the status of the system by substitution of variable values received from the transducers (21, 22, 23).

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IPC 8 full level

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Cited by

EP2145852A1; EP0535339A1; CN110422779A; EP0470289A1; ITBO20090588A1; EP1477452A1; EP1151958A3; CN104495658A; JP2019530627A; RU2714833C1; AU2017342185B2; US11142442B2; US7677401B2; WO03064311A1; WO2008143584A1; WO2018068071A1; EP3313771B1

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