

Title (en)  
FAIL-SAFE STABILITY MONITORING FUNCTION FOR A THICK MATTER CONVEYING SYSTEM

Title (de)  
AUSFALLSICHERE STANDSICHERHEITSÜBERWACHUNG FÜR EIN DICKSTOFFFÖRDERSYSTEM

Title (fr)  
FONCTION DE SURVEILLANCE DE STABILITÉ À SÉCURITÉ INTÉGRÉE POUR UN SYSTÈME DE TRANSPORT DE MATIÈRES ÉPAISSES

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Application  
**EP 22714874 A 20220321**

Priority

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- EP 2022057308 W 20220321

Abstract (en)  
[origin: WO2022200253A1] The invention relates to, inter alia, a thick matter conveying system (10) comprising a thick matter pump (16) for conveying a thick matter; a thick matter distributing mast (18) for distributing the thick matter to be conveyed, said thick matter distributing mast (18) having a rotary mechanism (19) which can be rotated about a vertical axis and a mast assembly (40) comprising at least two mast arms (41); a substructure (30) on which the thick matter distributing mast (18) and the thick matter pump (16) are arranged, said substructure (30) comprising a support structure (31) for supporting the substructure (30) by means of at least one horizontally and/or vertically movable support leg (32); a sensor unit (11) comprising at least one sensor for detecting a piece of operating information; and a processing unit (12) for determining a stability parameter of the thick matter conveying system (10) on the basis of the at least one detected piece of operating information and for ascertaining an intended operation of the sensor of the sensor unit (11), said sensor detecting the at least one piece of operating information. If the processing unit (12) does not ascertain an intended operation of the sensor, the processing unit (12) is designed to determine the stability parameter on the basis of an extreme value of the operating information to be detected by the sensor instead of the detected piece of operating information.

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