

Title (en)

SYSTEM FOR MONITORING SOLID PARTICLES IN FLUID FLOW

Title (de)

SYSTEM ZUR ÜBERWACHUNG VON FESTSTOFFPARTIKELN IN EINEM FLUIDSTROM

Title (fr)

SYSTÈME DE SURVEILLANCE DE PARTICULES SOLIDES DANS UN ÉCOULEMENT DE FLUIDE

Publication

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Application

**EP 22865139 A 20220830**

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Abstract (en)

[origin: WO2023033641A1] The present invention provides a system for monitoring solid particles in a fluid or hydrocarbon flow and a method for monitoring the same. The system comprises a camera (101) for capturing images of the flow; a conditioning device (102); a filtering means for capturing solids; and a separator (108) for separating phases of the flow. The conditioning device is located upstream of the camera for isolating phases and solids in the flow before passing the flow through the camera. The camera communicates with a computer system that provides algorithms to interpret images captured by the camera for data on particle size distribution, concentration, and shape of the solids; and the filtering means provides solids for sampling.

IPC 8 full level

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