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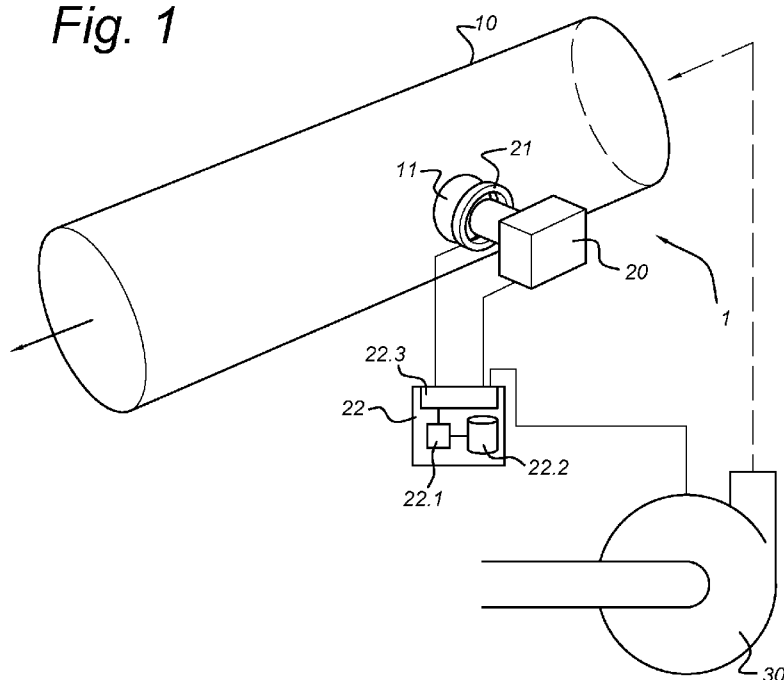
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(54) **Title:** MEASUREMENT DEVICE FOR PERFORMING MEASUREMENT ON A MIXTURE OF WATER AND COLLECTED MATERIAL

Fig. 1



(57) **Abstract:** The invention relates to a measurement device for performing measurements on a mixture of water and collected material. The measurement device comprises a pipe section through which the mixture can be guided, the pipe section comprising a window. The measurement device comprises an image capturing device arranged to capture an image of the collected material through the window. The image can be used to determine a grain size distribution of the collected material, which can be used to optimize the collecting process.