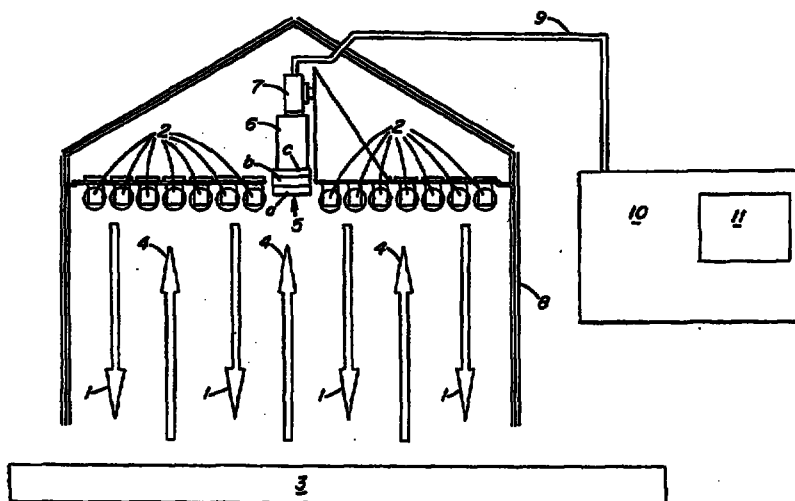




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(54) Title: **AN IN-LINE PROCESS FOR MONITORING BINDER DOSAGE AND DISTRIBUTION ON A SURFACE AND APPARATUS USEFUL THEREFOR**



(57) Abstract

A method and apparatus for determining binder dosage and distribution on a substrate comprising: a) a source (2) of long wave ultraviolet light positioned so that ultraviolet waves emitted therefrom (1) will come into contact with a substrate (3) to which binder has been applied; b) a filter (5) which blocks ultraviolet waves emitted from source a) and reflected by the substrate but allows visible light waves (4) emitted by fluorescence of the binder to pass; c) a lens (6) for imaging visible light onto a focal plane; d) a video camera (7) positioned at the focal plane of lens c) which converts the visible light waves that have passed through filter b) and lens c) into an electrical signal; and means (10) for correlating images received by video camera d) to binder dosage and distribution on the substrate contacted by the ultraviolet waves emitted by source a).