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(54) Title: RADIATION CURABLE INTAGLIO INKS

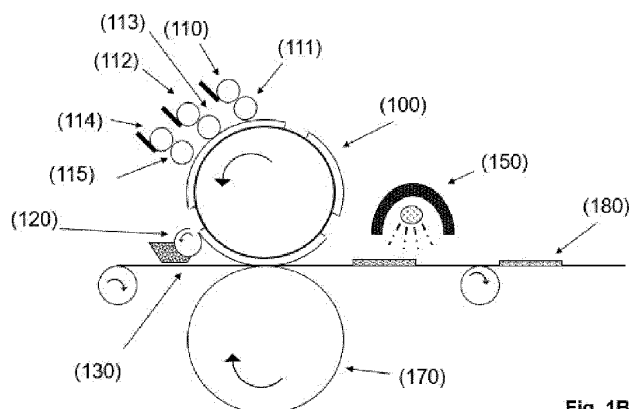


Fig. 1B

(57) Abstract: The present invention relates to the field of security documents and their protection against counterfeit and illegal reproduction and relates to the field of intaglio printing processes for the printing of said security documents. In particular, the present invention relates to radiation curable intaglio inks suitable for intaglio printing a pattern or image, wherein said intaglio printing comprises wiping off ink excess with a polymeric wiping cylinder and cleaning said cylinder with an alkaline aqueous wiping solution. The disclosed radiation curable intaglio inks comprise one or more radiation curable compounds, wherein at least one of said one or more radiation curable compounds is a fatty acid polyester (meth)acrylate oligomer; one or more photoinitiators; and a high molecular weight acid modified alkyl surfactant and/or an alkylarene sulfonic acid surfactant; one or more fillers or extenders.

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