

Title (en)  
APPARATUS FOR APPLYING INK TO A SUBSTRATE

Title (de)  
VORRICHTUNG ZUM AUFTRAGEN VON DRUCKFARBE AUF EIN SUBSTRAT

Title (fr)  
APPAREIL D'APPLICATION D'ENCRE SUR UN SUBSTRAT

Publication  
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Application  
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Abstract (en)  
[origin: WO9207719A1] This invention relates to an anilox printing apparatus (20) for depositing ink onto a substrate (23) in a predetermined pattern. The apparatus (20) has a reservoir (22) provided with a weir (30) so that ink (24) may continuously overflow the top or end of the weir (30) and be removed from the reservoir (22) in a controlled fashion while maintaining a constant backpressure of ink (24) in the reservoir (22). This arrangement provides the advantage that ink leakage and splashing caused by debris entering the nip associated with a doctor blade (26) held against the anilox roll (25) or by surface imperfections interfering with the seal formed by such a doctor blade (26) are eliminated. This also provides a printing apparatus (20) for complete coating of the periphery of the anilox roll (25) with ink (24) without a high pressure system.

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