

Title (en)

PAINTING EDGE LIMITER FOR A PAINTING ARRANGEMENT WITH A SHORT RESIDENCE TIME

Title (de)

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Title (fr)

APPAREIL LIMITEUR LATERAL POUR DISPOSITIF D'ENDUCTION A COURT TEMPS DE CONTACT

Publication

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Application

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Abstract (en)

[origin: US5795393A] PCT No. PCT/EP95/02673 Sec. 371 Date Jan. 13, 1997 Sec. 102(e) Date Jan. 13, 1997 PCT Filed Jul. 8, 1995 PCT Pub. No. WO96/02703 PCT Pub. Date Feb. 1, 1996A coating edge limiter for a coating arrangement with a short dwell time. Color is fed under pressure into a coating chamber formed by a backing roll around which a paper web is guided, a barrier wall, a doctor blade element and sealing blocks located at both ends of the coater. A formatting plate almost completely covers an application zone between the doctor blade element and the barrier wall so that an edge region of the web is sharply delineated and kept completely free of color. In each of the sealing blocks water is supplied via channels to depressions thereby forming a pressure cushion. This pressure cushion prevents the pressurized color in the coating chamber from flowing out laterally and ensures that the formatting plate is pressed flatly against the web. The coating edge limiter thereby makes it possible to establish very precisely the width of the web to be produced.

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