

Title (en)

METHOD AND DEVICE FOR REDUCING THE VOLUME OR PRESSURE OF A FLUID WHICH IS DRIVEN THROUGH AN OPENING BY MOVING SURFACES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERMINDERUNG DES VOLUMENS ODER DRUCKS EINES FLUIDS, DAS VON SICH BEWEGENDEN OBERFLÄCHEN IN EINEN SPALT EINGESCHLEPPT WIRD

Title (fr)

PROCEDE ET DISPOSITIF POUR REDUIRE LE VOLUME OU LA PRESSION D'UN FLUIDE ENTRAINE DANS UN INTERSTICE PAR DES SURFACES EN MOUVEMENT

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Application

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Abstract (en)

[origin: US6557269B1] The invention relates to a method and device for reducing the volume or pressure of a fluid which is driven through an opening (3, 17) by moving surfaces. According to said method, the opening (3, 17) is divided in at least two flow channels (5, 6, 14) by means of one or more flexible separation members (4). Each separation member (4) is attached at its rear end relatively to the direction of displacement of said surfaces, and its front finishing end extends inside said opening (3, 17). The inventive method can be advantageously implemented during production and further transformation of strip-shaped materials (paper, cardboard strips, plastic material sheets) for bringing the strip which moves on an element (cylinder, roll, rigid guiding element, winding reel) into close contact with said element.

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