

Title (en)  
DRYING UNIT FOR DRYING PRINTED SUBSTRATES

Title (de)  
TROCKNUNGSEINHEIT ZUM TROCKNEN BEDRUCKTER SUBSTRATE

Title (fr)  
UNITÉ DE SÉCHAGE POUR SÉCHER DES SUBSTRATS IMPRIMÉS

Publication  
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Application  
**EP 19795139 A 20191022**

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Abstract (en)  
[origin: WO2020108864A1] The invention relates to a drying unit (22) for drying printed substrates (21), comprising a chamber (23) with a gaseous medium which is oxygen-reduced by means of an inert gas, wherein the substrates (21) are guided through the chamber (23) or at least can be guided through the chamber, and the chamber (23) has an entrance for the substrates (21) to be guided into the chamber (23) in the transport direction (T) of the substrates (21). The entrance for the substrates (21) to be guided into the chamber (23) is formed by two cylinders (04; 06) which are positioned against each other longitudinally. The cylinders (04; 06) positioned against each other at the entrance of the chamber (23) form a printing unit (03). One of the cylinders (04) is designed as a printing cylinder (04), and the other cylinder (06) is designed as a cylinder (06) which interacts with the printing cylinder (04) and applies a printed image onto the affected substrates (21). The two cylinders (04; 06) which are positioned against each other under pressure at the entrance of the chamber (23) form a seal which runs axially to the cylinders (04; 06) for preventing the oxygen-reduced gaseous medium from leaking out of the chamber (23) and/or for preventing oxygen from the ambient air from entering the chamber (23). The printing unit (03) arranged at the entrance of the chamber (23) is designed as a printing unit (03) for an intaglio printing process.

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