

Title (en)

METHOD AND DEVICE FOR DRYING A RAPIDLY CONVEYED PRODUCT TO BE DRIED, ESPECIALLY FOR DRYING PRINTING INK

Title (de)

VERFAHREN UND VORRICHTUNG ZUM TROCKNEN EINES SCHNELL GEFÖRDERTEN TROCKNUNGSGUTES, INSBESONDERE ZUM DRUCKFARBENTROCKNEN

Title (fr)

PROCEDE ET DISPOSITIF POUR LE SECHAGE D'UN PRODUIT DEFILANT RAPIDEMENT, NOTAMMENT POUR LE SECHAGE D'ENCRE D'IMPRIMERIE

Publication

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Application

EP 99910235 A 19990218

Priority

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- EP 9901057 W 19990218

Abstract (en)

[origin: US6401358B1] A method and an apparatus for drying a substance that is being rapidly conveyed in a conveyor apparatus, in particular for drying layers of printing ink on rapidly transported paper, wherein in a drying zone by means of incident electromagnetic radiation a moisture component, in particular a solvent, is separated from the substance to be dried. The separated moisture component is transported away from the drying zone by means of a transport gas current. Efficient and rapid drying of in particular printed newsprint or thermal printing paper is attained at high conveyor velocities.

IPC 8 full level

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US 6401358 B1 20020611; AT E239891 T1 20030515; AU 2926899 A 19990906; BR 9908062 A 20001031; CA 2330636 A1 19990826; CN 1292080 A 20010418; CZ 20003007 A3 20011212; DE 19807643 A1 19990902; DE 19807643 C2 20000105; DE 59905454 D1 20030612; EP 1058805 A1 20001213; EP 1058805 B1 20030507; EP 1058805 B2 20060816; ES 2199562 T3 20040216; ES 2199562 T5 20070416; HU P0101524 A2 20011028; HU P0101524 A3 20020228; JP 2002504442 A 20020212; JP 4509378 B2 20100721; KR 100407504 B1 20031201; KR 20010041240 A 20010515; WO 9942774 A1 19990826

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