

Title (en)

METERING UNIT WITH NOZZLE HEAD AND FLUID RETURN STATION

Title (de)

DOSIERWERK MIT DÜSENKOPF UND FLÜSSIGKEITSRÜCKNAHMESTATION

Title (fr)

MÉCANISME DE DOSAGE AVEC TÊTE À BUSE ET STATION DU RETRAIT DE FLUIDE

Publication

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Application

EP 14745162 A 20140801

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- EP 2014066626 W 20140801

Abstract (en)

[origin: WO2015014996A2] The invention relates to a metering unit and to a method for the controlled transfer of a liquid, in particular printing ink, varnish, liquid toner, or adhesive. In order to further reduce the maintenance expense of the inking units known in particular from the flexography field without having to accept losses with regard to printing quality, a metering unit for the controlled transfer of a liquid is provided, comprising: a dispensing surface, which has recesses for dispensing the liquid in a metered manner; a nozzle head for filling up the recesses with the liquid; a drive, which effects a relative motion between the nozzle head and the dispensing surface; a liquid transfer station, which is arranged after the nozzle head in the direction of the relative motion and at which the liquid from the recesses can be transferred at least partially to a receiving surface; and a liquid take-back station, which is arranged after the liquid transfer station in the direction of the relative motion and is arranged before the nozzle head and at which liquid is removed from at least some of the recesses.

IPC 8 full level

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Citation (search report)

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