

Title (en)
SELF-CONTAINED INKJET PRINTING MODULE

Title (de)
EIGENSTÄNDIGES TINTENSTRAHLDRUCKMODUL

Title (fr)
MODULE AUTONOME D'IMPRESSION A JET D'ENCRE

Publication
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Application
EP 07858257 A 20071126

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Abstract (en)
The invention relates to a self-contained inkjet printing module containing print heads (5) for printing the required width in a single passage, said heads including a system for the maintenance, pressurisation and thermal conditioning of the ink used. The number of modules required depends on the number of coloured inks used and the desired print resolution. The module also includes a mechanism which covers the injector plate and collects the ink poured during each draining operation, thereby cleaning said injector plates and preventing the ink from drying. The invention takes the form of an inverted metal T-section profile (4) to which the print heads (5) are mounted such that the injector plate (1) is exposed. The metal profile (4) includes two lower horizontal cylindrical perforations (6) which are interconnected so that a heating liquid can flow therethrough. The profile also includes another upper cylindrical perforation (8) for distributing the ink which travels to the print head (5) through vertical holes (9).

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