

Title (en)
PRINTING PRESS HAVING AN INFRARED DRYER UNIT

Title (de)
DRUCKMASCHINE MIT EINER INFRAROT-TROCKNEREINHEIT

Title (fr)
IMPRIMANTE AVEC UNE UNITÉ DE SÉCHAGE À INFRAROUGE

Publication
EP 3436271 A1 20190206 (DE)

Application
EP 18706251 A 20180219

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Abstract (en)
[origin: WO2018188839A1] Known printing presses are equipped with a printing unit for applying solvent-containing printing ink to a printing material, and a transport device for transporting the printing material from the printing unit to a dryer unit which comprises at least one infrared radiator for drying the printing material. In order, proceeding herefrom, to provide a printing press with a dryer device which is improved for the drying of solvent-containing and, in particular, water-based printing ink with regard to homogeneity and rapidity of the drying, and in which the dryer unit manages without active cooling of the infrared radiator, it is proposed according to the invention that the infrared radiator is configured as a flat heating element that is made from a dielectric heating element material which emits infrared radiation upon heating and that has a heating surface which faces the printing material to be dried and a contact surface, on which a heating conductor track is applied, which heating conductor track is made from an electrically conducting resistance material containing precious metals and is connected with an electric contact to an adjustable power source.

IPC 8 full level
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Citation (search report)
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