UDC: 655.3.024.3

**TRENDS OF dampening system DEVELOPMENT
in flat offset printing**

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***Research methodology.*** *The patent search and the review of scientific literature with a retrospective of 20 years have been conducted in the work to predict possible variants of dampening system development in flat offset printing. In particular, the trends of their development have been analyzed, the information on dampening systems, concentrates to the dampening solution, methods of their preparation for printing have been summarized and systematized.*

***Results.*** *By analyzing the patent and scientific literature we have defined the perspective directions of development of dampening systems in flat offset printing. Factors of optimization of the technological process have been determined to improve the quality of the printed products.*

***Novelty.*** *General classification scheme of dampening systems in flat offset printing has been developed and the information on features of preparation of dampening solutions has been systematized.*

***The practical significance.*** *The material about the development of technological instructions of preparation process of dampening solutions for printing and the improvement of its composite structure has been generalized.*