

Title (en)

METHOD OF AND APPARATUS FOR APPLYING INK AND DAMPERING FLUID TO A PRINTING PLATE

Publication

EP 0071108 B1 19870603 (EN)

Application

EP 82106394 A 19820716

Priority

US 28874481 A 19810731

Abstract (en)

[origin: EP0071108A1] A method and apparatus for continuously using ink and dampening fluid in a printing system includes removing ink and dampening fluid from a form roller after the form roller (90) engages the printing plate. Mixing of the removed ink and dampening fluid to form a substantially homogeneous printing liquid is accomplished by circulating the removed ink and dampening fluid to a reservoir (14) where it is mixed with ink in the reservoir by an auxiliary blender. The homogeneous mixture is further circulated to the center of a metering nip (N min) between two rollers (12, 13) and flows longitudinally of the rollers at a rate to prevent separation of the dampening fluid from the ink. Unused printing ink and dampening fluid is returned to the reservoir (14) with the ink and dampening fluid removed from the form roller (90).

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