Title (en)

Solvent recovery system for ink jet printer

Title (de)

Lösungsmittelwiedergewinnungssystem für Farbstrahldrucker

Title (fr)

Système de récupération de solvant pour imprimante par jet d'encre

Publication

EP 0805038 A1 19971105 (EN)

Application

EP 96303107 A 19960502

Priority

EP 96303107 A 19960502

Abstract (en)

An ink supply system (10) for ink jet printers, the ink supply system including a closed ink supply tank (11) for containing ink and solvent, a condenser (32) to cool air from a tube, and a tube (26) having connected to the air space of the ink supply tank (11) and the condenser such that air containing evaporated solvent from the tube is cooled by the condenser (32) such that solvent in the air will condense. Preferably, the condenser (32) is positioned above the ink supply tank (11) so that condensed solvent drains into the ink supply tank. Preferably, a solvent make up container (16) is connected to the ink supply tank (11) for supplying solvent to the ink supply tank, and an equalizing conduit connects the solvent make up container (16) airspace to one of the ink supply tank airspace and the tube to provide for equalization of the fluid pressure between the solvent make up container (16) and the ink supply tank (11). Preferably, a solvent supply device (20) supplies solvent to the solvent make up container (16). The solvent supply device includes a solvent supply container (21) for containing solvent, a support device for supporting the solvent supply container and a conduit connecting the solvent supply container (21) to the solvent make up container (16) such that solvent can be supplied to the solvent make up container (16) from the solvent supply container (21) without venting the solvent make up container to the atmosphere. Also, a solvent recovery system for recovery of solvent contained in solvent containing liquids is provided. <

IPC 1-7

B41J 2/18

IPC 8 full level

B41J 2/18 (2006.01)

CPC (source: EP)

B41J 2/18 (2013.01)

Citation (search report)

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