

Title (en)
Cleaning a liquid jet device

Title (de)
Reinigung einer Flüssigkeitsstrahlvorrichtung

Title (fr)
Nettoyage d'un dispositif à jet de liquide

Publication
EP 1162071 A1 20011212 (EN)

Application
EP 01304624 A 20010525

Priority
• US 59074200 A 20000608
• US 77523701 A 20010201

Abstract (en)
A purge/clean system for a liquid jet apparatus, such as an ink jet printing system, having a liquid chamber including a chamber wall having an exterior surface and at least one orifice (60) through which liquid is ejected towards a substrate. The purge/clean system involves a cavity defined adjacent the exterior surface of the chamber wall into which liquid which is, expelled from the at least one orifice (60) during a purging or cleaning operation is permitted to flow and a vacuum pump for withdrawing liquid which is contained within the cavity. The cavity can be provided by a plurality of plates (90,88,86) arranged in an assembled, or stacked, relationship against the exterior surface of the chamber wall and, with the aid of a fan or compressor, can be used to create a zone of above - atmospheric pressure adjacent the exterior surface of the printer head. With the zone of above-atmospheric pressure created within the cavity, any leakage of air from the region into the atmosphere effects a flow of air out of the region and thereby helps to maintain the at least one orifice in a relatively clean condition. <IMAGE>

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B41J 2/16505 (2013.01 - EP); **B41J 2/1652** (2013.01 - EP); **B41J 2/16552** (2013.01 - EP US); **B41J 2002/14362** (2013.01 - EP)

Citation (search report)
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• [A] EP 0361393 A2 19900404 - TEKTRONIX INC [US]
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