

Title (en)
NOZZLE FOR AN INK-JET PRINTER

Publication
EP 0054999 B1 19850918 (DE)

Application
EP 81201351 A 19811211

Priority
DE 3048259 A 19801220

Abstract (en)
[origin: US4413268A] In jet nozzle printers in which the ink droplets are ejected individually from one or more jet nozzles for a matrix print, an orifice to produce a uniform, axially proceeding ejection of ink droplets in the nozzle direction. The jet nozzles are shaped such that the orifice is provided with a sharp edge, both in its interior region and also closely around this region, the jet nozzle brim thus formed radially around the orifice having a uniform width of not more than 20 μ m. The cross-section of the wall surrounding the jet nozzle orifice forms an acute-angled triangle, the apex forming the jet nozzle brim.

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B41J 3/04

IPC 8 full level
B41J 2/16 (2006.01); **B41J 2/135** (2006.01); **B41J 2/14** (2006.01)

CPC (source: EP US)
B41J 2/1433 (2013.01 - EP US); **B41J 2002/14475** (2013.01 - EP US)

Cited by
EP1622774A4; EP0177316A3; EP0408978A1; US5177504A; US4728392A; US4801954A; US4801955A

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EP 81201351 A 19811211; AT 546681 A 19811218; CA 392578 A 19811217; DE 3048259 A 19801220; DE 3172384 T 19811211; JP 20455281 A 19811219; US 32887781 A 19811209