

Title (en)  
Ink jet printhead from unitary modules

Title (de)  
Tintendruckkopf aus einzelnen Tintendruckmodulen

Title (fr)  
Tête d'imprimante à jet d'encre modulaire

Publication  
**EP 0695640 B1 20000322 (DE)**

Application  
**EP 95250146 A 19950616**

Priority  
DE 4424770 A 19940705

Abstract (en)  
[origin: DE4424770C1] An ink jet printer has a head unit that has a laminated construction. Ink jet droplets are generated by nozzle plates (11) with the energy for producing pressure pulse provided by piezo actuators (21) mounted in adjacent plates. Ink supply for the nozzles is provided by reservoirs (232). Transfer of ink to the nozzles is via channels (241, 121, 131) formed in the adjacent plates. A number of such modules with nozzle arrays are formed within the block.

IPC 1-7  
**B41J 2/135**; **B41J 2/14**

IPC 8 full level  
**B41J 2/135** (2006.01); **B41J 2/14** (2006.01); **B41J 2/145** (2006.01)

CPC (source: EP US)  
**B41J 2/14233** (2013.01 - EP US); **B41J 2/145** (2013.01 - EP US); **B41J 2202/20** (2013.01 - EP US)

Citation (examination)  
DE 4225799 A1 19940203 - FRANCOTYP POSTALIA GMBH [DE]

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**DE 4424770 C1 19951123**; DE 59508032 D1 20000427; EP 0695640 A2 19960207; EP 0695640 A3 19970305; EP 0695640 B1 20000322; US 5668583 A 19970916

DOCDB simple family (application)  
**DE 4424770 A 19940705**; DE 59508032 T 19950616; EP 95250146 A 19950616; US 49407295 A 19950623