

Title (en)

Laminated ink jet head and printer apparatus.

Title (de)

Lamellenartig aufgebauter Tintenstrahlkopf und Druckapparat.

Title (fr)

Tête à jet d'encre laminée et appareil à imprimer.

Publication

EP 0527504 A1 19930217 (EN)

Application

EP 92113886 A 19920814

Priority

- JP 22884091 A 19910814
- JP 26730891 A 19910918

Abstract (en)

A laminated type ink jet head for a printer is described which is given a multi-nozzle structure and a color nozzle structure by laminating a plurality of sets of nozzle plates (M) and lead plates alternately to form one block and by stacking a plurality of blocks vertically to form a building head structure. Each nozzle plate is formed on its one face (3) with ink passages (4), nozzles (5), ink chambers (6) and so on and is equipped on its other face with piezoelectric elements (7). On the other hand, each lead plate has its one face equipped with terminals for the piezoelectric elements (7) and its other face formed merely into a flat plane. <IMAGE>

IPC 1-7

B41J 2/145; B41J 2/165

IPC 8 full level

B41J 2/155 (2006.01); **B41J 2/165** (2006.01)

CPC (source: EP)

B41J 2/155 (2013.01); **B41J 2/16505** (2013.01); **B41J 2/16538** (2013.01)

Citation (search report)

- [A] EP 0431692 A1 19910612 - OCE NEDERLAND BV [NL]
- [A] US 4605939 A 19860812 - HUBBARD DAVID W [US], et al
- [A] EP 0435276 A1 19910703 - CANON KK [JP]

Cited by

EP0783971A1; FR2743332A1; US5971521A; WO02096652A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0527504 A1 19930217

DOCDB simple family (application)

EP 92113886 A 19920814