

Title (en)
MULTILAYER INK WRITING HEAD

Publication
EP 0326568 B1 19900822 (DE)

Application
EP 87906568 A 19871013

Priority
• DE 3635292 A 19861016
• DE 3710654 A 19870331

Abstract (en)
[origin: WO8802698A1] A multilayer ink writing head, in which each writing nozzle (27) is linked by a channel (20) to a pressure chamber (17), is composed of a sandwich ink head that is separately produced and made of several superimposed plates arranged to mate with the ink channels and fixed to each other by a diffusion welding process. One side of the sandwich ink head is formed by the membrane plate (14) and the other side by the nozzle plate (26). A receiving part with an integrated ink supply serves as a mounting element for the sandwich ink head. All ink-receiving recesses of the sandwich ink head are formed by through-holes in the individual plates.

IPC 1-7
B41J 2/16; B41J 2/17

IPC 8 full level
B41J 2/175 (2006.01); **B41J 2/045** (2006.01); **B41J 2/055** (2006.01); **B41J 2/155** (2006.01); **B41J 2/16** (2006.01); **B41J 2/17** (2006.01)

CPC (source: EP)
B41J 2/155 (2013.01); **B41J 2002/14459** (2013.01)

Cited by
US5845380A; EP2196315A1; US5592203A; US5802687A; US5714078A; US5825382A; US5752303A; US6070972A; US7980447B2; US8152045B2; US8505803B2

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

DOCDB simple family (publication)
WO 8802698 A1 19880421; AU 8072687 A 19880506; DE 3764474 D1 19900927; EP 0326568 A1 19890809; EP 0326568 B1 19900822; JP H02500732 A 19900315

DOCDB simple family (application)
DE 8700464 W 19871013; AU 8072687 A 19871013; DE 3764474 T 19871013; EP 87906568 A 19871013; JP 50599987 A 19871013