

Title (en)
Monolithic ink jet printing chassis

Title (de)
Monolithisches Tintenstrahldruckchassis

Title (fr)
Chassis d' impression à jet d' encre monolithique

Publication
EP 1013458 B1 20030813 (EN)

Application
EP 99309494 A 19991129

Priority
US 21151898 A 19981214

Abstract (en)
[origin: EP1013458A2] A printhead alignment apparatus is provided for use with a continuous ink jet printer. A single chassis maintains alignment of the droplet generator and the catcher/charge plate assembly (14). Electronic and fluidic components are attached to the single chassis, with the single chassis separating the electronic and fluid related functions of the printhead. Also, mounting features and connections of the electronic and fluid related functions are separated from mounting features of the catcher and the droplet generator. Connections for the electronic and fluid related functions are in a plane parallel to the plane of the catcher. The single chassis also accurately locates an eyelid mechanism relative to the droplet generator and the catcher/charge plate assembly (14). Finally, the single chassis has a z-axis length larger than its x-axis depth, with the z-axis length being perpendicular to a plane of the catcher. <IMAGE>

IPC 1-7
B41J 29/02

IPC 8 full level
B41J 29/02 (2006.01)

CPC (source: EP)
B41J 29/02 (2013.01)

Cited by
US9770906B2; US10071559B2; US9975326B2; US10414155B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1013458 A2 20000628; EP 1013458 A3 20001108; EP 1013458 B1 20030813; CA 2292103 A1 20000614; DE 69910340 D1 20030918; DE 69910340 T2 20040701

DOCDB simple family (application)
EP 99309494 A 19991129; CA 2292103 A 19991213; DE 69910340 T 19991129