

Title (en)
Ink jet printer for photofinishing

Title (de)
Tintenstrahldrucker für Photobehandlung

Title (fr)
Imprimante à jet d'encre pour photofinissage

Publication
EP 1063096 A2 20001227 (EN)

Application
EP 00112468 A 20000610

Priority
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Abstract (en)
An ink jet printer (10) for making photographic prints includes at least one paper supply (12, 12', 58, 58') for holding a supply of print paper and a sheet paper transport belt (30, 31) arranged to receive sheets of print paper (25) from the at least one paper supply and transport the sheets through the printer. A back printer (26) is located between the at least one paper supply and the paper transport belt for applying back prints to the print paper. A full print width color ink jet print head (36) located over a first portion of the transport belt (30) for printing an image on a paper sheet. A linear image sensor (46) located in front of the ink jet print head detects the edges of the paper sheet being transported under the print head and a controller (54) connected to the paper sensor generates a digital mask representing the area of the paper and applies the digital mask to a digital image being printed, thereby preventing overspill printing onto the belt. A paper dryer (48) is located over a second portion of the transport belt (31), the paper dryer including a source of flowing air (50) for drying the ink image on the paper. <IMAGE>

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Citation (applicant)
• EP 0710561 A2 19960508 - CANON APTEX INC [JP]
• WO 9728003 A1 19970807 - HEWLETT PACKARD CO [US], et al
• US 5812162 A 19980922 - SILVERBROOK KIA [AU]
• DE 19914563 A1 20001005 - EASTMAN KODAK CO [US]

Cited by
EP1726443A1; CN112248663A; EP2138317A3; FR2886880A1; EP1749670A1; EP2221183A1; EP3527515A1; US2019256310A1; JP2019166666A; US8033624B2; US8454111B2; WO2009014686A3; US7332037B2; USRE45067E; US10800622B2

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