

Title (en)  
Ink jet printing method

Title (de)  
Tintenstrahldruckverfahren

Title (fr)  
Procédé de l'imprimerie par jet d'encre

Publication  
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Application  
**EP 98203115 A 19980914**

Priority  
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Abstract (en)  
A method is disclosed for making on a transparent receiver material a continuous tone image, e.g. for medical diagnostic purposes, with an obtainable maximal transmission density in the visual region greater than 3.0, by means of ink jet. The method comprises ink-jetting combinations of at least one liquid black pigmented ink and at least one liquid grey ink to a transparent receiver comprising an ink receiving layer, a transparent support and a backing layer, said ink receiving layer comprising a N- containing polymer, preferably gelatin, as binder, and being substantially free of particles having an average size larger than 1  $\mu$  m. Preferably the transparent receiver exhibits a haze value between 10 and 20 %, determined according to standard test ASTM D 1003, due to the presence of a spacing agent in the backing layer.

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Citation (search report)  
• [AX] EP 0533293 A1 19930324 - ARKWRIGHT INC [US]  
• [A] EP 0791475 A2 19970827 - KONISHIROKU PHOTO IND [JP]  
• [A] US 5635297 A 19970603 - OGAWA SUSUMU [JP], et al  
• [A] EP 0742107 A2 19961113 - SEIKO EPSON CORP [JP], et al  
• [A] EP 0600245 A1 19940608 - MITSUBISHI PAPER MILLS LTD [JP]

Cited by  
EP1184184A1; AU2002212857B2; EP1364802A3; EP1364801A3; US6739772B2; US6793333B2; US6796650B2

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