

Title (en)

Head diagnosis apparatus and head diagnosis method for printer

Title (de)

Kopfdiagnosevorrichtung und Verfahren für Drucker

Title (fr)

Appareil et procédé pour le diagnostic de défauts d'une tête imprimante

Publication

EP 0982134 A2 20000301 (EN)

Application

EP 99114794 A 19990728

Priority

JP 21417998 A 19980729

Abstract (en)

In a head diagnosis apparatus and the head diagnosis method for diagnosing the condition of a thermal head (1; 23), after measuring the resistance value of a plurality of heat generation resistive elements (93) arranged on a head surface of the thermal head, a change amount of the resistance value of each heat generation resistive element (93) is calculated on the basis of the resistance value of each heat generation resistive element (93) measured in the past and the resistance value of each heat generation resistive element (93) measured at the current time. An electrification state of each heat generation resistive element (93) is judged on the basis of the calculation result, and the thermal head (1; 23) is diagnosed to see whether it is good or bad in accordance with the determination result, thereby permitting the diagnosis on the condition of the thermal head (1; 23) before actually entering a printing stage. <IMAGE>

IPC 1-7

B41J 2/05

IPC 8 full level

B41J 2/35 (2006.01); **B41J 2/355** (2006.01); **B41J 29/393** (2006.01)

CPC (source: EP)

B41J 2/355 (2013.01); **B41J 29/393** (2013.01)

Cited by

EP2100742A1; EP1658982A3; EP2360022A4; EP2347907A3; CN102189812A; US6866359B2; US8654161B2; WO02055310A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0982134 A2 20000301; **EP 0982134 A3 20000920**; CA 2278881 A1 20000129; CN 1106944 C 20030430; CN 1243068 A 20000202; JP 2000043307 A 20000215

DOCDB simple family (application)

EP 99114794 A 19990728; CA 2278881 A 19990726; CN 99111863 A 19990729; JP 21417998 A 19980729