

Title (en)
SCANNING DEVICE AND APPARATUS INCORPORATING SAID SCANNING DEVICE

Title (de)
ABTASTVORRICHTUNG UND GERÄT DAMIT

Title (fr)
LECTEUR OPTIQUE ET APPAREIL INCORPORANT UN TEL LECTEUR OPTIQUE

Publication
EP 0864150 A1 19980916 (EN)

Application
EP 97927333 A 19970707

Priority
• EP 97927333 A 19970707
• EP 96202694 A 19960926
• IB 9700845 W 19970707

Abstract (en)
[origin: WO9813824A1] An optical scanning device is described, which comprises a scanning element having a reflecting measuring reference face (31), and a position detection system (80) which supplies, inter alia, a measuring signal (jz) for the rotational position of the scanning element. The scanning element is supported by an electromagnetical bearing which causes the scanning element to assume certain positions of equilibrium. A reliable start-up is achieved by selectively amplifying said signal for frequencies near the natural frequency (fb) of the scanning element in said positions of equilibrium.

IPC 1-7
G11B 7/08; **G02B 26/12**; **H02P 6/22**

IPC 8 full level
G02B 26/12 (2006.01); **G11B 7/003** (2006.01); **G11B 7/08** (2006.01); **G11B 7/085** (2006.01); **H02P 6/20** (2016.01); **H02P 6/22** (2006.01)

CPC (source: EP KR)
G02B 26/121 (2013.01 - KR); **G02B 26/122** (2013.01 - EP); **G11B 7/003** (2013.01 - EP KR); **G11B 7/08564** (2013.01 - EP KR)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 9813824 A1 19980402; EP 0864150 A1 19980916; IL 124627 A0 19981206; JP 2000503421 A 20000321; KR 19990071606 A 19990927

DOCDB simple family (application)
IB 9700845 W 19970707; EP 97927333 A 19970707; IL 12462797 A 19970707; JP 51544298 A 19970707; KR 19980703882 A 19980525