

Title (en)

Picture display device having means for compensating stray fields.

Title (de)

Bildwiedergabevorrichtung mit Mitteln zur Kompensation der Streufelder.

Title (fr)

Dispositif reproducteur d'images avec des moyens de compensation des champs de fuite.

Publication

EP 0281184 B1 19940720 (EN)

Application

EP 88200294 A 19880218

Priority

NL 8700449 A 19870224

Abstract (en)

[origin: EP0281184A1] Picture display device having a display tube (3) and a deflection unit (9) comprising a field deflection coil and a line deflection coil (11). To comply with a predetermined interference radiation standard, the picture display device comprises a first set of (horizontal) interference suppression coils 18, 19 arranged symmetrically relative to the plane of symmetry of the line deflection coil and a further set of (vertical) interference suppression coils 18a, 19a arranged at right angles to the plane of symmetry of the line deflection coil, which coils are oriented in such manner and in operation are energizable in such manner that, measured at a predetermined distance from the picture display device, at least the strength of the local magnetic dipole field is below a desired standard. Each coil of the further set preferably comprises at least two sub-coils arranged parallel to each other at a given distance in order to reduce the energy content of the coil system.

IPC 1-7

H01J 29/00; **H01J 29/76**; **G12B 17/02**

IPC 8 full level

H04N 9/29 (2006.01); **H01J 29/00** (2006.01)

CPC (source: EP KR)

H01J 29/003 (2013.01 - EP); **H01J 29/70** (2013.01 - KR); **H01J 2229/0015** (2013.01 - EP)

Citation (examination)

- EP 0235863 A1 19870909 - PHILIPS NORDEN AB [SE], et al
- EP 0220777 A1 19870506 - PHILIPS NV [NL]
- EP 0245711 A2 19871119 - MITSUBISHI ELECTRIC CORP [JP]

Cited by

US8623190B2; WO9623315A1

Designated contracting state (EPC)

AT DE FR GB IT NL SE

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EP 0281184 A1 19880907; **EP 0281184 B1 19940720**; AT E108947 T1 19940815; DE 3850687 D1 19940825; DE 3850687 T2 19950216; JP 2677585 B2 19971117; JP S63227186 A 19880921; KR 880010464 A 19881008; KR 960000348 B1 19960105; NL 8700449 A 19880916; NO 880765 D0 19880222; NO 880765 L 19880825

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EP 88200294 A 19880218; AT 88200294 T 19880218; DE 3850687 T 19880218; JP 3934288 A 19880222; KR 880001802 A 19880222; NL 8700449 A 19870224; NO 880765 A 19880222