

Title (en)

Method and device for dithering

Title (de)

Verfahren und Vorrichtung zum Halbtonzittern

Title (fr)

Procédé et dispositif de tremblement de demi-teinte

Publication

**EP 1630773 A1 20060301 (EN)**

Application

**EP 05107754 A 20050824**

Priority

- EP 04292087 A 20040825
- EP 05107754 A 20050824

Abstract (en)

The noise occurring when applying dithering on a transfer function shall be reduced. Therefore, a first output value and a second output value are associated (S1) to a discrete input value of the transfer function. On the basis of a given number of dithering bits, an intermediate value being equal to and/or lying between the first output value and the second output value and using the least number of dithering bits is chosen (S2). Finally this intermediate value is taken (S3) as an output value for the discrete input value. Thus, the dithering noise can be reduced tremendously.

IPC 8 full level

**G09G 3/20** (2006.01); **G09G 3/28** (2006.01)

CPC (source: EP)

**G09G 3/2055** (2013.01); **G09G 3/28** (2013.01); **G09G 2320/0247** (2013.01); **G09G 2320/0276** (2013.01); **G09G 2320/0285** (2013.01)

Citation (applicant)

- EP 1269457 A2 20030102 - THOMSON LICENSING SA [FR]
- EP 1262947 A1 20021204 - THOMSON LICENSING SA [FR]
- EP 1256924 A1 20021113 - THOMSON BRANDT GMBH [DE]
- EP 1353315 A1 20031015 - THOMSON LICENSING SA [FR]

Citation (search report)

- [A] EP 1324305 A1 20030702 - SEIKO EPSON CORP [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04 31 August 2000 (2000-08-31)

Designated contracting state (EPC)

DE FR GB

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