Title (en)
METHOD AND DEVICE FOR PROCESSING A VIDEO IMAGE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR AUFBEREITUNG EINES VIDEOBILDES

Title (fr)
PROCEDE ET DISPOSITIF POUR LE TRAITEMENT D'UNE IMAGE VIDEO

Publication
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Application
EP 96914995 A 19960426

Priority
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Abstract (en)
[origin: US5854659A] PCT No. PCT/EP96/01760 Sec. 371 Date Jan. 7, 1997 Sec. 102(e) Date Jan. 7, 1997 PCT Filed Apr. 26, 1996 PCT Pub. No. WO96/36175 PCT Pub. Date Nov. 14, 1996In a process for processing a first video picture with image points in m1 lines, whose image points in the l1-th line have an intensity $I1(t, l1)$ depending on a parameter t, in particular depending on time, for generating a second video picture with m2 lines, the respective intensity $I2(t, l2)$ of an image point in the l2-th line of the second video picture is interpolated from the intensities of the image points of the first video picture $I1(t, l1)$, wherein I2 is obtained according to the following equation: $I2(t,l2)=Max(J(t,l2)+ DELTA ;0)$, where the values J, with respect to the lines, represent discretized values of a signal waveform given by the sampling theorem and in which an offset DELTA is provided for partial compensation of negative intensities of the discretized signal waveform J so that the interpolation with respect to the lines is effected with A as a freely selectable amplitude of positive value according to the following equation: <IMAGE> An apparatus contains corresponding circuit parts for generating the second video picture according to the indicated process.

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US 5854659 A 19981229; BR 9606469 A 19970930; CA 2192090 A1 19961114; DE 19517357 C1 19961114; EP 0770306 A1 19970502; IL 118133 A0 19960912; IL 118133 A 19990714; JP H09511896 A 19971125; KR 100262217 B1 20000715; KR 970705297 A 19970906; RU 2118064 C1 19980820; TW 318993 B 19971101; WO 9636175 A1 19961114; ZA 963752 B 19960905

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