Title (en)

Addressing method for every column of a matrix LCD screen

Title (de)

Verfahren zur Adressierung jeder Spalte eines rastergebildeten Flüssigkristallbildschirms

Title (fr)

Procédé d'adressage de chaque colonne d'un écran LCD de type matriciel

Publication

EP 0435750 B1 19960306 (FR)

Application

EP 90403695 A 19901220

Priority

FR 8917312 A 19891228

Abstract (en)

[origin: EP0435750A1] The present invention relates to an addressing method for every column (cl) of a matrix LCD screen comprising production of a control pulse by a transistor (3) driving the said column, the said pulse having a duration determined by the value of the sample of a video input signal, the said pulse acting on the conduction state of the said transistor in order to connect the said column to a supply terminal where a voltage ramp (2) is developed. In accordance with the method, two pulse durations are alternated, whose sum is predetermined and so that a given value of the sample of a video signal produces the same optical effect from one period to the next, differentiated excitation voltages are employed on at least one of the framing electrodes of the liquid crystal layer, namely the said column (cl) and its counter-electrode (CE). Application especially to active matrix LCD screens.

IPC 1-7

G09G 3/36

IPC 8 full level

G02F 1/133 (2006.01); **G09G 3/20** (2006.01); **G09G 3/36** (2006.01)

CPC (source: EP US)

G09G 3/2011 (2013.01 - EP US); **G09G 3/3648** (2013.01 - EP US); **G09G 3/3688** (2013.01 - EP US); G09G 3/3614 (2013.01 - EP US); G09G 2310/0259 (2013.01 - EP US); G09G 2320/0204 (2013.01 - EP US)

Cited by

FR2787910A1; EP0730257A3; EP0620543A1; EP0588398A3; WO9207352A1; WO03030135A3

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