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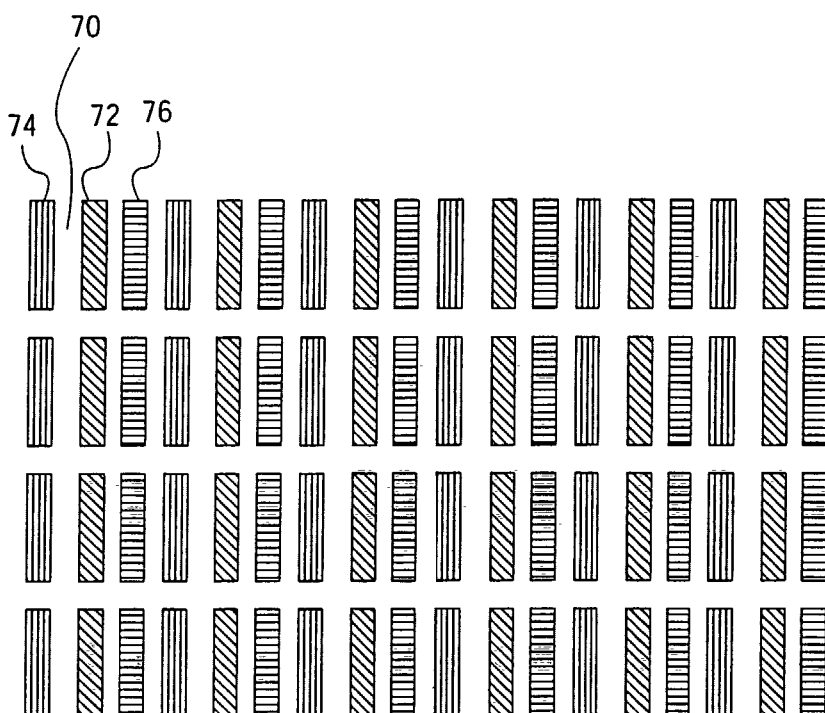
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(54) Title: IMPROVEMENTS TO COLOR FLAT PANEL DISPLAY SUB-PIXEL ARRANGEMENTS AND LAYOUTS WITH
REDUCED VISIBILITY OF A BLUE LUMINANCE WELL



(57) Abstract: Various em-
bodiments of three sub-pixel
arrangements and architectures
for displays are disclosed. In one
embodiment, in which dark colour
sub-pixels, e.g. of colour blue, form
a vertical line down a display, a
spacing (70, 90) is disposed between
red and green colour columns
of said sub-pixel groupings, said
spacing forming a dark stripe out
of phase with said vertical line of
dark colour sub-pixels. In another
embodiment, optical vias (1212,
1214, 1216) are formed upon dark
sub-pixels which shift the phase of
the reconstruction points of the dark
sub-pixels. In another embodiment
dark sub-pixels are formed on
different columns for alternate rows.
In a still further embodiment, red
and green sub-pixels (112, 114) are
switched on alternate rows.



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