

Title (en)  
Liquid crystal driving apparatus and personal instruments incorporating the same

Title (de)  
Flüssigkristallsteuereinrichtung und diese enthaltende persönliche Instrumente

Title (fr)  
Appareil d'attaque pour cristal liquide et instruments personnels incorporant celui-ci

Publication  
**EP 0778557 A3 19971203 (EN)**

Application  
**EP 96305812 A 19960807**

Priority  
JP 31111995 A 19951129

Abstract (en)  
[origin: EP0778557A2] In a liquid crystal driving apparatus, character font data of two characters which are continuously read out from a character font ROM are shifted by any number of dots by a shifter (1), and a shift result is latched every character to be displayed. A data shift operation is carried out while removing blank data corresponding to boundaries between characters in display data of one line in a horizontal direction (data of one common line) in a 6-dot font display mode. <IMAGE>

IPC 1-7  
**G09G 3/36**

IPC 8 full level  
**G09G 3/36** (2006.01)

CPC (source: EP KR)  
**G09G 3/36** (2013.01 - KR); **G09G 3/3611** (2013.01 - EP)

Citation (search report)  
• [A] US 4538145 A 19850827 - MITANI RYO [JP], et al  
• [A] DE 3149897 A1 19820729 - CASIO COMPUTER CO LTD [JP]  
• [A] US 4358761 A 19821109 - IWASAKI SHOJI

Cited by  
CN112513971A

Designated contracting state (EPC)  
NL SE

DOCDB simple family (publication)  
**EP 0778557 A2 19970611**; **EP 0778557 A3 19971203**; KR 100402227 B1 20040330; KR 970029303 A 19970626; NO 963320 D0 19960808; NO 963320 L 19970530

DOCDB simple family (application)  
**EP 96305812 A 19960807**; KR 19960032990 A 19960808; NO 963320 A 19960808