

Title (en)
Omnidirectional display device.

Title (de)
Displayvorrichtung zur Rundumdarstellung.

Title (fr)
Dispositif d'affichage omni-directionnel.

Publication
EP 0065682 A1 19821201 (DE)

Application
EP 82103952 A 19820506

Priority
DE 3119714 A 19810518

Abstract (en)
1. A display device (1) for the all-round representation of visible objects (B) such as numerals, characters, symbols, pictures or the like, with a plurality of visible elements (A) designed as observation optics (A0 -A47) which are arranged next to one another on a curved surface (F) and which are provided with a respective visible object (B0 -B47), characterised in that each observation optic (A0 -A47) is substantially provided with an identical or similar visible object (B0 -B47) ; in that each observation optic (A0 -A47) only makes a partial region of the visible object (B0 -B47) visible independently of the viewing direction (X, X1 , X2) and the partial regions made visible by a group of adjacent observation optics (A1 -A25 , A13 -A37) are combined to form a total representation of the visible object (B0 -B47) ; and in that each observation optic (A0 -A47) makes visible a partial region of the visible object (B0 -B47) dependent on the respective viewing direction (X, X1 , X2) so that, depending on the viewing direction (X, X1 , X2) the partial regions made visible by a different respective group of adjacent observation optics (A1 -A25 , A13 -A37) are combined for the total representation of the visible object (B0 -B47).

Abstract (de)
Mit der Erfindung wird eine Displayvorrichtung zur Rundumdarstellung von Sichtobjekten, wie Ziffern, Schriften, Zeichen, Bildern o.dgl., zur Verfügung gestellt. In dieser Displayvorrichtung ist eine Mehrzahl von Betrachtungsoptiken nebeneinander auf einer gekrümmten Fläche, insbesondere einer Zylinderfläche, angeordnet, und jeder dieser Betrachtungsoptiken ist ein Sichtobjekt zugeordnet, wobei die Betrachtungsoptiken aus jeder Rundumaufsichtsrichtung die Displaydarstellung streifenförmig aus jeweils unterschiedlichen Streifen der einzelnen Sichtobjekte zusammensetzen.

IPC 1-7
G09F 19/12; **G09F 13/36**

IPC 8 full level
G09F 13/36 (2006.01); **G09F 19/12** (2006.01); **G09F 13/04** (2006.01)

CPC (source: EP)
G09F 13/0472 (2021.05); **G09F 13/36** (2013.01); **G09F 19/12** (2013.01)

Citation (search report)
• [X] US 3686781 A 19720829 - CALHOUN HUGH C JR
• [X] GB 429042 A 19350523 - MANRICO COMPARE
• [A] US 4195910 A 19800401 - IMES JACK JR [US]
• [A] DE 2032555 A1 19711230

Cited by
US5737087A; EP0740282A1; US5724758A

Designated contracting state (EPC)
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EP 0065682 A1 19821201; **EP 0065682 B1 19861008**; AT E22744 T1 19861015; DE 3119714 A1 19821202; DE 3273671 D1 19861113

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