

Title (en)  
VISUAL DISPLAY APPARATUS

Publication  
**EP 0156544 A3 19871119 (EN)**

Application  
**EP 85301486 A 19850304**

Priority  
GB 8405760 A 19840306

Abstract (en)  
[origin: EP0156544A2] Visual display apparatus comprises one or more rows of light emitting sources (5) arranged to move cyclically through a display zone. The illumination of the light sources is controlled so that, to an observer, an image appears to be formed in the zone. The apparatus also includes a programming device which encodes artwork or the like in a form suitable for use by the visual display apparatus.

IPC 1-7  
**G09G 3/00**

IPC 8 full level  
**G09G 3/00** (2006.01)

CPC (source: EP)  
**G09G 3/005** (2013.01)

Citation (search report)

- [A] FR 2514537 A1 19830415 - BENQUET PATRICK [FR]
- [A] EP 0052996 A1 19820602 - KOBE STEEL LTD [JP]
- [A] EP 0065242 A1 19821124 - HELL RUDOLF DR ING GMBH [DE]
- [A] EP 0021096 A1 19810107 - IBM [US]
- [X] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 22, no. 11, April 1980, pages 5015-5016, New York, US; T.G. TWARDECK: "Rotating multi-station display"
- [X] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 21, no. 12, May 1979, pages 4768-4770, New York, US; O.D. JOHNSON et al.: "Drive for vibrating LED display"
- [X] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 21, no. 2, July 1978, page 726, New York, US; W.F. VOIT, Jr.: "One-line LED display"

Cited by  
US6433761B1; NL1007062C2; US5302965A; US5057827A; GB2187588A; US4689604A; EP0386269A4; US5202675A; WO9914730A1; WO2005057531A1; WO9813814A1; WO0045363A1; WO9611462A1; WO9750070A1; WO9805023A1; US6278419B1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0156544 A2 19851002; EP 0156544 A3 19871119; GB 8405760 D0 19840411**

DOCDB simple family (application)  
**EP 85301486 A 19850304; GB 8405760 A 19840306**