



Publication number : **0 446 038 A3**

(12)

EUROPEAN PATENT APPLICATION

(21) Application number : **91301879.2**

(51) Int. Cl.⁵ : **H01J 29/86**

(22) Date of filing : **06.03.91**

(30) Priority : **06.03.90 US 488911**

(43) Date of publication of application :
11.09.91 Bulletin 91/37

(84) Designated Contracting States :
DE FR GB IT

(88) Date of deferred publication of search report :
08.01.92 Bulletin 92/02

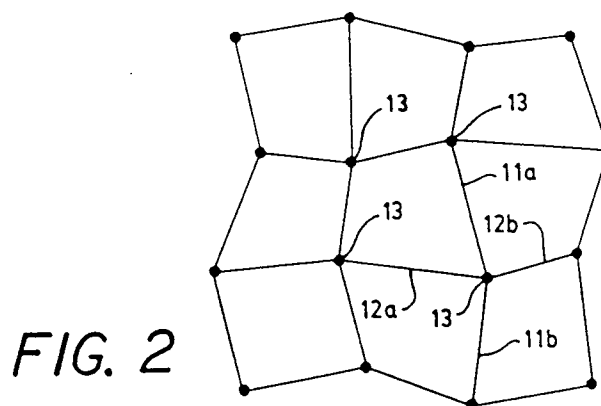
(71) Applicant : **CHOMERICS, INC.**
77 Dragon Court
Woburn Massachusetts 01888 (US)

(72) Inventor : **Luh, Ellice Yeng**
4504 Chestnut Street
Bethesda, Maryland 20814 (US)
Inventor : **Crowell, Roger**
103 Linden Street
Attleboro, Massachusetts 02703 (US)

(74) Representative : **Barlow, Roy James et al**
J.A. KEMP & CO. 14, South Square, Gray's Inn
London WC1R 5EU (GB)

(54) **Non-moire shielded window.**

(57) An EMI/RFI shielded substrate, preferably a window or CRT screen is disclosed. The conductive pattern is formed of a series of randomly distributed vertices interconnected with linear and/or curvilinear elements. The pattern is formed by moving the vertices of a normal rectangular grid from their established x,y coordinates to new x',y' coordinates which are a small distance from the x,y coordinates at an angle, α , which is from 0° to 360°. Preferably, the vertices are displaced by an increment that is 50% or less of the distance between the vertices of the x,y coordinate pattern.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 1879

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	PATENT ABSTRACTS OF JAPAN vol. 11, no. 104 (E-494)(2551) 2 April 1987 & JP-A-61 253 751 (MITSUBISHI PLASTICS IND LTD) 11 November 1986 * abstract *	1, 3, 4, 7	H01J29/86
Y	EP-A-0 297 231 (PPG INDUSTRIES INC) * abstract; figures 4,5 * * column 5, line 14 - line 46 * * column 7, line 16 - line 32 * * column 8, line 28 - line 41 *	1, 3, 4, 7	
A	US-A-4 755 716 (HAYAFUNE ET AL.) * abstract; claim 1 * * column 2, line 27 - line 36 * * column 3, line 10 - line 17 * * column 3, line 26 - line 37 *	1, 2, 10	
A	FR-A-1 272 812 (SAINT SIMON ET AL.) * page 1, left column, line 24 - right column, line 11; figures * * claims 2-4 *	1, 2, 8-10	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 32, no. 5B, October 1989, NEW YORK US pages 481 - 482; 'EMI suppression display screen' * the whole document *	3-8	H01J H04N H05K H01Q
A	SID DIGEST OF TECHNICAL PAPERS vol. 19, May 1988, CALIFORNIA, USA pages 185 - 188; R HASAN; 'A study of materials and methods for EMI shielding of displays' * page 185, right column - page 186, left column; figure 2 *	5, 6	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 NOVEMBER 1991	Examiner COLVIN G. G.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 (3.82) (P0401)