

(19) (KR)
(12) (A)

(51) 。 Int. Cl.⁷ (11) 2003-0095886
G02F 1/13 (43) 2003 12 24

(21) 10-2002-0033498
(22) 2002 06 15

(71) . 20

(72) 204-1305

(74)

:

(54)

, 1 2 ; 1 2
1, 2 1 2
1 2 3, 4 ; 1, 2 3,
4 .

3

- 1 .
- 2 .
- 3 1 2 .
- 4 .
- 5 .
- 6 .

*

*

300, 300a, 300b : 1

400, 400a, 400b : 2

500, 600 :

가 LCD
(Lipuid Crystal Display Device), PDP(Plasma Display Panel), ELD(Electro Luminescent Display), VFD(Vacuum Fluorescent Display) 가 가

(Cathode Ray Tube)

가 가

LCD

(Long Range Order)

가

가

가

가

LCD

(Array)

(Color Filter)

(Cell)

(Module)

(Deposition)

(Photolithography),

(Etching)

1

(1)

(Thin Film Transistor; TFT)

2

(Black Matrix)

(Red), (Green), (Blue)

ITO(Indium Tin Oxide)

1

2

1,

2

LCD

1

(Cassette;

2

(

)가

(Loader;

)

(Port)

1

2

1

(Gate Line)

(Matrix) (Data Line)

(Black Matrix)

obot Arm) 1 2 2 (Program) (R

1 1 2 가

(1S) (1S)

(1S) (Gap) 1 2 (2S)

1 (Cell Gap) (Seal) (4S) 1 (Spacer) 2 (3S) 가 (5S)

1 2 가 (6S).

가 (7S).

(8S)

(Chamber)

1 2 1, 2

TFT 1, 2

1 TFT 2 4 1 (100) 2

(200) (No Good; 'NG') (100, 200)

'G' 1 (100) 2 (200) (NG) (Good;

가 가 가

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 84

The diagram illustrates a semiconductor manufacturing process flow. Key components and steps include:

- Loader (1)**: The starting point of the process.
- Dispenser (2)**: A component used for dispensing materials.
- Doctor Roll (21S)**: A roll used for coating or cleaning.
- Baking (22S)**: A step for curing or drying the material.
- Unloader (2)**: A component used for unloading the material.
- GAP (21S)**: A gap or space in the process.
- LC Dispensing (25S)**: A step for dispensing liquid crystal (LC) material.
- Seal (26S)**: A component used for sealing the material.
- TFT (28S)**: A Thin-Film Transistor layer.
- Ag (29S)**: A layer of Silver (Ag).

The flow is indicated by arrows and numbered steps, showing a complex sequence of operations. The diagram also includes a large '5' in the center, which may represent a specific layer or stage in the process.

[illegible]

(57)

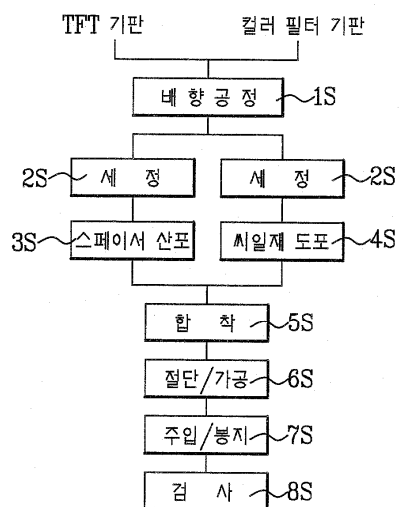
1. $\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$;

$\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$;

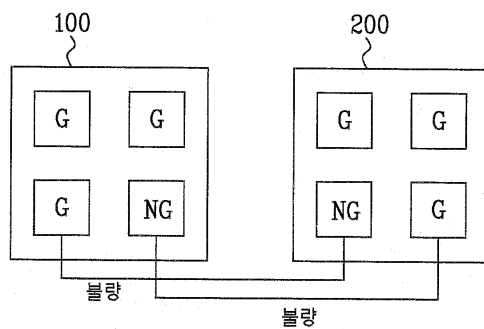
$\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$, $\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$

3, 4 ;
1, 2 3, 4
2.
1 ,
1 2 3, 4 1 , 2
3 4
3.
1 ,
1 ,
4.
1 ,
2 ,
5.
1 2 ,
1 2 1 2 ,
6.
5 ,
1 ,
7.
5 ,
2 ,
7.

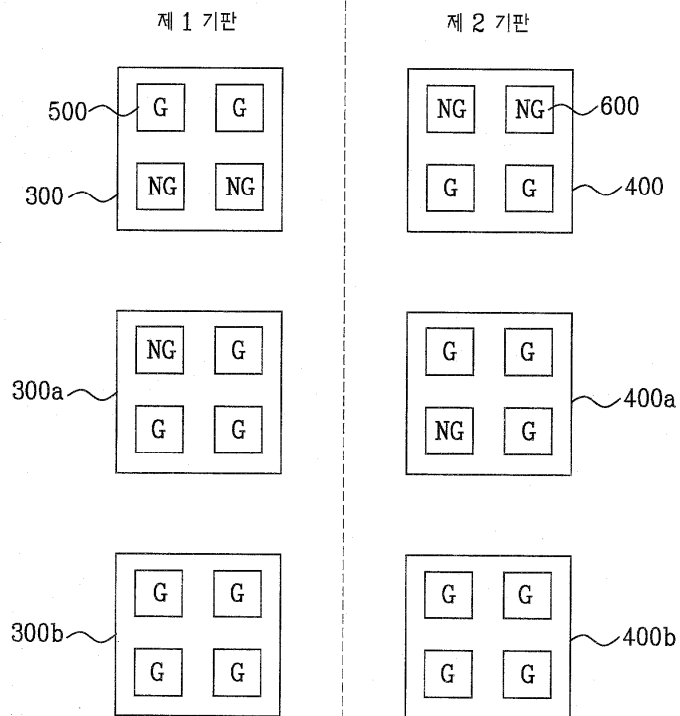
1



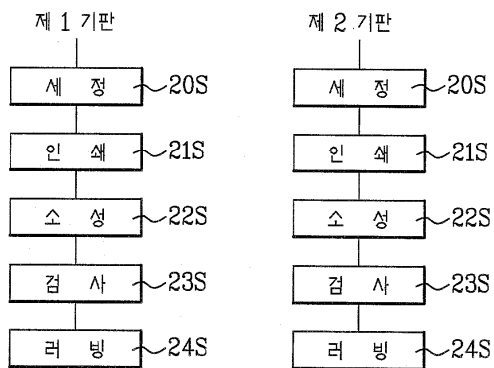
2



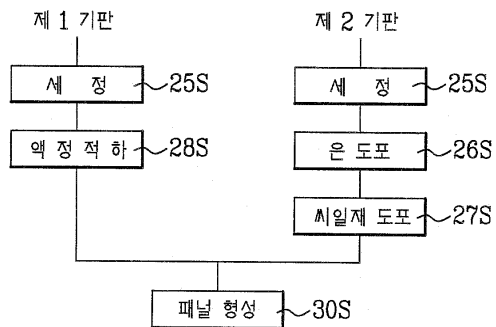
3



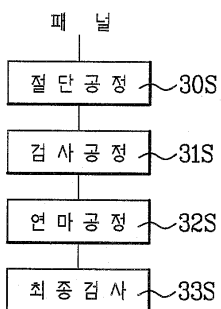
4



5



6



专利名称(译)	液晶显示装置的制造方法		
公开(公告)号	KR1020030095886A	公开(公告)日	2003-12-24
申请号	KR1020020033498	申请日	2002-06-15
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	KIM WANSOO 김완수		
发明人	김완수		
IPC分类号	G02F1/13		
CPC分类号	G02F1/1303 G02F1/136209 G02F1/136286 G02F2001/136222 G02F2201/121 G02F2201/123 G02F2201/54 H01L21/6773 H01L21/67739		
代理人(译)	金勇 新昌		
外部链接	Espacenet		

摘要(译)

本发明涉及一种制造液晶显示器的方法，该方法能够通过有效地管理包括有缺陷的单元基板区域的基板来最小化有缺陷的单元面板，该方法包括：提供多个第一和第二基板；在第一基板和第二基板上形成多个单元基板区域；第一基板，包括在单元基板区域中的至少一个缺陷单元基板区域；以及第二基板，包括在单元基板区域中的至少一个缺陷单元基板区域，分别选择两个基板并装载在第三和第四盒上；以及将第一和第二盒以及第三和第四盒成对进入液晶单元过程的步骤。 3

