

# Patents

SDC is the pioneer of OLED displays adopted in the most popular, successful and widely used mobile phones, tablets and other similar electronic devices. SDC's technologies fundametally enable high contrast and crystal clear colorful OLED screens such as SDC's OLED display panel products, and these panel products are covered by SDC's patents describing its prominent technologies. The below lists and linked pages highlight some of such technologies and examplary related patents.

The lists of patents are prepared solely to comply with 35 U.S.C. 287. The information below is not intended, and should not be used, for any other purpose.



## OLED Display Technology

[View Detail](#)

# Trademark

Samsung Display's trademarks are its own intellectual property and are valuable assets of the corporation. Trademarks must be used by following the guidelines below in an appropriate way. More specifically, the trademarks of Samsung Display should be referred to with the designated symbol; TM. (Please click below for more details.)



## Diamond Pixel™

[View Detail](#)

## UTG™

[View Detail](#)

## Round Diamond Pixel™

[View Detail](#)

## UPC™

[View Detail](#)

## Eco™ OLED™

[View Detail](#)

## Adaptive Frequency™

[View Detail](#)





# OLED Display Technology Patents

The list of patent below is prepared solely to comply with 35 U.S.C. 287. The information below is not intended, and should not be used, for any other purpose.

| Product                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Phone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AMB623TS01, AMB667TY01, AMB687TZ01, AMS646YD05, AMB624XT01, AMB667XU01, AMB681XV01, AMB606AW01, AMB655AY01, AMB681AZ01, AMB606CX01, AMB655CY01, AMB681CZ01, AMB616FL01, AMB666FM02, AMB679FN01, AMB679FN02, AMS670HD01, AMS670HD02 AMF670UH01, AMB114UN01, AMF670ZA01, AMB190ZB01, AMF670BS01, AMB338EH02, AMF670BS03, AMF670GN01, AMB729WA01, AMB458WJ01, AMF759VG01, AMB623VH01, AMF755ZE01, AMB623ZF01, AMF756BQ01, AMB619BR01, AMF756BQ03, AMB619EK01, AMB625GR01, AMF800GX01 | Galaxy S20, Galaxy S20 Plus, Galaxy S20 Ultra, Galaxy S20 FE 5G, Galaxy S21, Galaxy S21 Plus, Galaxy S21 Ultra, Galaxy S22, Galaxy S22 Plus, Galaxy S22 Ultra, Galaxy S23, Galaxy S23 Plus, Galaxy S23 Ultra, Galaxy S24, Galaxy S24 Plus, Galaxy S24 Ultra, Galaxy S24 FE, Galaxy Z Flip1, Galaxy Z Flip2, Galaxy Z Flip3, Galaxy Z Flip4, Galaxy Z Flip5, Galaxy Z Flip6, Galaxy Z Fold1, Galaxy Z Fold2, Galaxy Z Fold3, Galaxy Z Fold4, Galaxy Z Fold5, Galaxy Z Fold6 Galaxy Z Fold6 SE |

| Patents        |            |                |                |
|----------------|------------|----------------|----------------|
| US10878759     | US11462178 | US10396311     | US10644261     |
| US11362151     | US10985234 | US11183548     | US11243645     |
| US11243625     | US10964913 | US11296286     | US11282902     |
| US11362166     | US10862068 | US8358284      | US10474270     |
| US10013088     | US10312299 | US10733408     | US9087480      |
| US10644087     | US10916588 | US11050041     | US10541380     |
| US10873053     | US10651246 | US11018205     | US10361254     |
| US11232275     | US11233220 | US2020-0394955 | US2021-0366376 |
| US2021-0366377 | US11289680 | US11093059     | US10991792     |
| US10985223     | US10978674 | US10978670     | US10971554     |
| US10963110     | US10962814 | US10944076     | US10943538     |
| US10923545     | US10910333 | US10854705     | US10796636     |
| US10749137     | US10714707 | US10692942     | US10680205     |
| US10665816     | US10600993 | US10573703     | US10566406     |
| US10553821     | US10553651 | US10547025     | US10529952     |
| US10522604     | US10497900 | US10481642     | US10476013     |
| US10466838     | US10444797 | US10373987     | US10347700     |
| US10326099     | US10318062 | US10304913     | US10270059     |
| US10262583     | US10224506 | US10205122     | US10177339     |
| US10157969     | US10128461 | US10090371     | US10073575     |
| US10069107     | US9997582  | US9972789      | US9966564      |
| US9934727      | US9928768  | US9917113      | US9905629      |
| US9893312      | US9842892  | US9837022      | US9832839      |
| US9825056      | US9791964  | US9758872      | US9728134      |
| US9698375      | US9660012  | US9634287      | US9634070      |
| US9627465      | US9591754  | US9553280      | US9496515      |
| US9472779      | US9448592  | US9419243      | US9324959      |
| US9281351      | US9274559  | US9117783      | US9105589      |
| US8946985      | US8916274  | US8907327      | US8860295      |

|                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| US8698395          | US8519620          | US8466617          | US8441182          |
| US8395145          | US8247809          | US7944140          | US7554118          |
| US7541735          | US7372438          | US7205572          | US7184006          |
| US7126271          | USRE47701          | US9748321          | US10439015         |
| US7279708          | US8026667          | US9608050          | US10720483         |
| US9768241          | US9450040          | US9299730          | US10483342         |
| US10204976         | US9330593          | US9318055          | US10025356         |
| US11079890         | US10541279         | US10025436         | US10551983         |
| US9952729          | US10832616         | US9837021          | KRP2216995         |
| US9564083          | US7508365          | KRP0592641         | CNZL200510098038.8 |
| US7414599          | KRP0560780         | JP4391857          | GB1496495          |
| FR1496495          | EP1496495          | DE1496495          | CNZL200410063736.X |
| US7492379          | TWI276886          | KR101066416        | JP4299672          |
| IN249553           | GB1461800          | FR1461800          | EP1461800          |
| DE1461800          | CNZL200810130397.0 | CNZL200810130396.6 | US10878746         |
| US10147351         | TWI578294          | KRP2211994         | KRP2063973         |
| CNZL201310181186.0 | US10854683         | US9818803          | KRP2270210         |
| KRP2115531         | JP6672194          | HKHK1216272        | GB2637209          |
| FR2637209          | EP2637209          | DE2637209          | CNZL201510595095.0 |
| CNZL201320053151.4 | CNZL201310035429.X | US8456496          | US11594578         |
| USRE48773          | US9966566          | US11211584         | US10930885         |
| US11605688         | US11651731         | US11626064         | US11626066         |
| US11626067         | US11626068         | US11676531         | US10896939         |
| US10854687         | US11495643         | US11250776         | US11455943         |
| US11456440         | US11594581         | US11515380         | US11574969         |
| US11594578         | US11610546         | US10732762         | US11262860         |
| US11653525         | US11656730         | US10665657         | US10727450         |
| US11809663         | US11500496         | US11737339         | US11195893         |
| US11626066         | US11626067         | US10665617         | US11672159         |
| US11758790         | US11727876         | US11651731         | US11626068         |
| US10861393         | US11450280         | US11776466         | US11825705         |
| USRE48773          | US11961425         | US12048208         | US12021112         |
| US10635211         | US12010888         | US18/057139        | US12052902         |
| US11690266         | US11574989         | US11574990         | US11574991         |
| US10943967         | US11861117         | US11980077         | US11467632         |
| US11755132         | US10475389         | US10909931         | US11398189         |
| US11081503         |                    |                    |                    |