

*Highly functional, stylish,
and with a clear recognition value:*

Patent Package
available for sale or licensing

Move the notch to the corners and benefit from an uninterrupted screen area!



front camera

Uninterrupted status bar: No important part of the picture is hidden by a notch.

*Patent package consisting
of more than 180 assets*

What the press writes:

*"If this patent comes to life,
we could expect an end to
the notch problem."*

[Gizbot, Technology Site](#)*

*"... in our opinion, the nicest
smartphone with notch that
we have seen to date."*

[LetsGoDigital Magazine](#)*

*"... a full solution for what
some see as a notch problem"*

[Android Headlines,
Technology News](#)*

*"Undoubtedly, the design
presented by the German
company is innovative,
bringing to the market a
proposal different from
everything that is already
implemented, giving an
impression that it is still
possible to make inventions
within a well-known and
widely-explored field."*

[tudocelular.com](#)*

Broad protection:

The combination of patents
and protected designs gives
you a broad and robust
protection. Full listing with all
assets at www.inodyn.com



*Get a catchy
unique selling point:*

*Differentiate your
product from the mass
of smartphones!*

Design:
US D911,321 S,
EM 005291838-0004,
AU Design No. 201813889

The ideal solution for:

- High-end "selfie smartphones" featuring the best-possible picture quality for selfies.
- Smartphones with advanced face unlock or face recognition features.
- Low budget smartphones with an inexpensive display technology (e.g., LCD)

- e.g.,
- 2nd front camera for wide-angle selfies,
 - time-of-flight camera for bokeh effect, or
 - IR emitter/dot projector for face recognition

*"The move of the notch from the top
middle area to the corners of the display
might not be a bad idea, as revealed by a
new patent."* [Notebookcheck.net](#)*

*"... the groundwork for multiple designs
that could help differentiate OEMs"*
[Android Headlines, Technology News](#)*

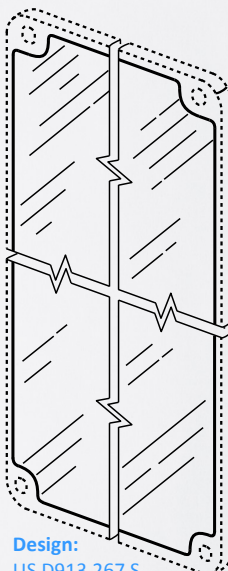
*"... dual-notch, where the positions are in
the upper right and left corner of the
smartphone screen."* [Vines, Gadget News](#)*

Optional:

Cutout at **1, 2, 3, or
all 4 corners** of the
display. For example:

*"Exclusive:
Smartphones with
quad notches might
be the next thing"*
[AndroidUpdated.com,
Android News](#)*

*"Now, it's upon the
manufacturer how
they want to utilise
the new Quad notch
display."*
[GizmoChina.com,
Technology Blog](#)*



Design:
US D913,267 S,
also see US D810,713 S

The better notch

benefit from an uninterrupted screen area

Widescreen movie: Full width and no notch in the way!

Front camera

Cutouts accommodated in the black bars

Smartphone display with aspect ratio 2:1

Feature film CinemaScope® aspect ratio 2.35:1

No part of the movie is hidden by a notch

e.g., wide-angle camera, time-of-flight camera, or IR emitter/dot projector

GB 2552090 B, AU 2018100896 B4, DE 102018005132 A1, and others; cutout design: US D914,003 S, EM 005278009-0006

Maximized and uninterrupted screen space available for your apps

While scrolling, the length of each text line is tailored to the shape of the cutouts by reducing the font width and/or font spacing. This way you get a larger (i.e. higher) screen area for your apps!

“The software of the smartphone can ensure that no content is hidden away by the notches. For example, text can be aligned in the centre or displayed somewhat narrower.” **Mobile88, news and reviews***

The ideal solution for:

- social media newsfeeds
- news/magazines
- wikis/encyclopedias
- web browser

US 10,353,426 B2, CA 3010307 C examined and granted:

Claim 1

1. (...) while scrolling, (...) : each screen object that belongs to the text line category and overlaps with the area of said first cutout or said second cutout is modified by reducing the character width (...), the length of each text line being tailored to a predetermined shape derived, at least in part, from the shape of said first cutout or said second cutout, (...)

Front camera


2nd sensor or emitter

Cutout design: US D911,321 S, EM 005278009-0005, AU Design No. 201813136

Contrary to the popular myth, ostriches do not bury their heads in the sand! They solve dicey situations by running away or by flopping to the ground and remaining still with the head and neck flat on the ground.

Common ostrich

The **common ostrich** (*Struthio camelus*) is the largest and heaviest living bird. It weighs up to 145 kilograms (320 lb), or as much as two adult humans. Nevertheless, with his long, muscular legs, it can jump from a standing position about 1.5 meters (5ft) high.



In short bursts ostriches can sprint up to 70 kilometers per hour (43 miles per hour). Half-hour endurance distances are tackled at 50 kilometers per hour (31 miles per hour). The ostrich can tolerate high temperatures and go without water for a long time.

Flying? Highly overrated for ostriches!

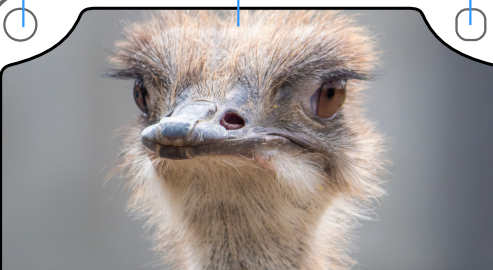
Ostriches can't fly. Over time they have simply forgotten how to fly. The ostriches that lived 20 million years ago did not yet have to flee from large predatory mammals, such as lions. When they later became a nuisance to them, they were able to escape by running away. At that time, intensive flying was no longer necessary for their survival. The early ostriches did not have much in common with the long-legged racing mammals. They were smaller and more compact than the turkey.

With a diameter of about 5 centimeters (about 0.2 inches), the ostrich has the largest eye of any terrestrial vertebrates. This enables the ratite to spot enemies at a distance of 3 kilometers (1.86 miles). To keep an eye out for enemies, the long, thin neck can be

Front camera

No important part of the picture is hidden by a notch

2nd sensor or emitter



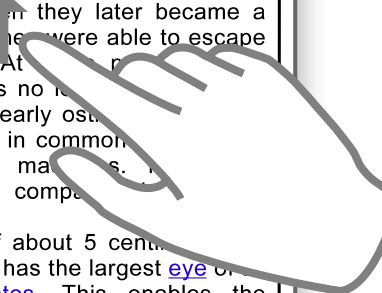
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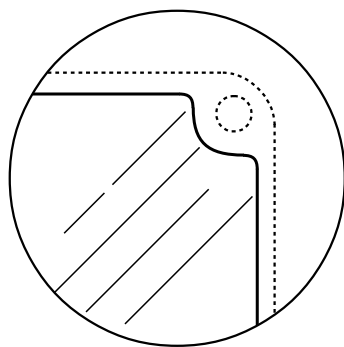
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scrolling...

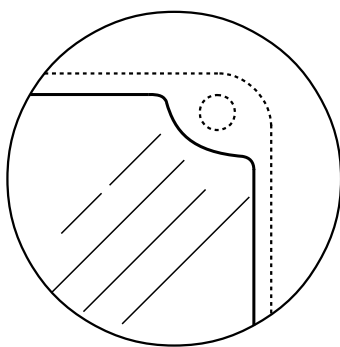


Choose your favorite cutout design...

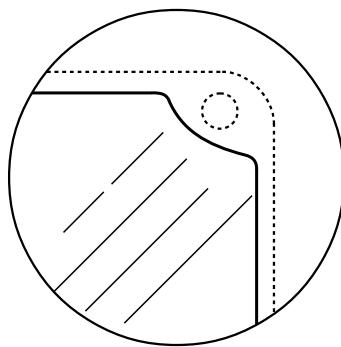
Broad protection by extensive use of dotted lines, break lines, and **a large number of embodiments!** A few examples of cutout designs:



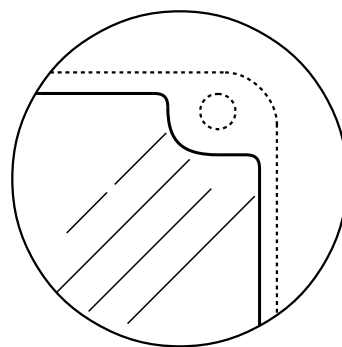
US D914,003 S, AU Design No. 201813137,
EM 005278009-0006, also see US D810,713 S



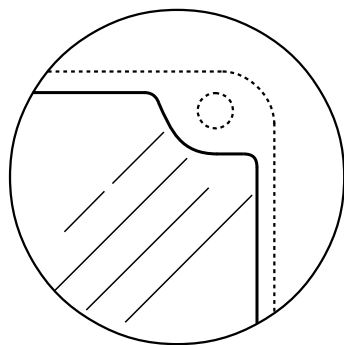
US D911,321 S, EM 005291838-0004,
AU Design No. 201813889



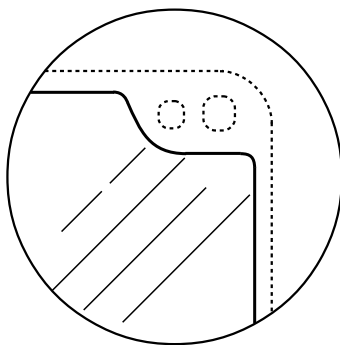
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AU Design No. 201813136



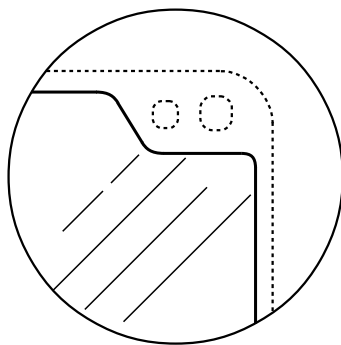
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AU Design No. 201813135



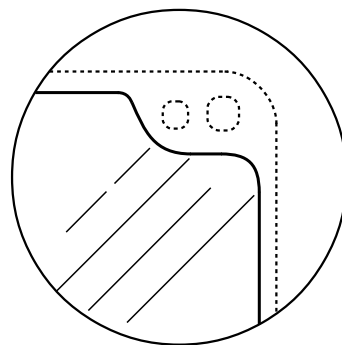
US D913,266 S, EM 005291838-0009,
AU Design No. 201813891



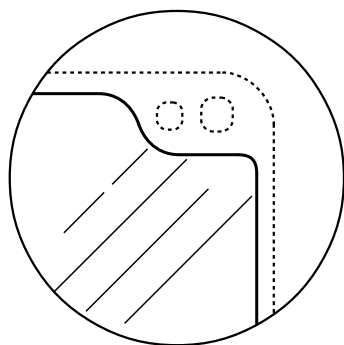
US D913,266 S, EM 005291838-0008,
AU Design No. 201813890



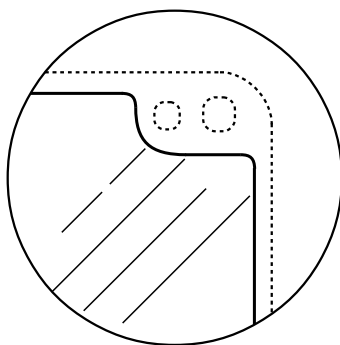
US D913,266 S,
EM 005291838-0005



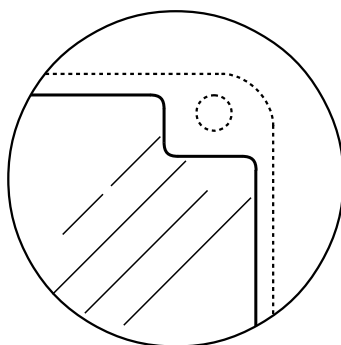
US D913,266 S,
EM 005291838-0010



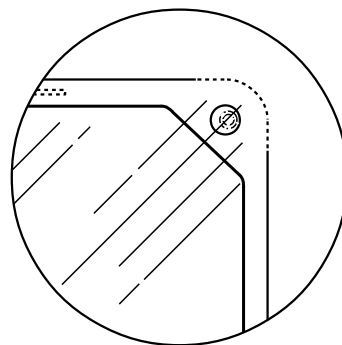
US D913,266 S,
EM 005291838-0006



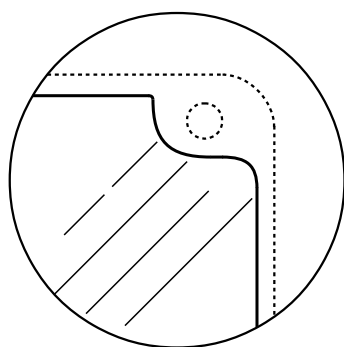
US D913,266 S, EM 005291838-0003,
AU Design No. 201813888



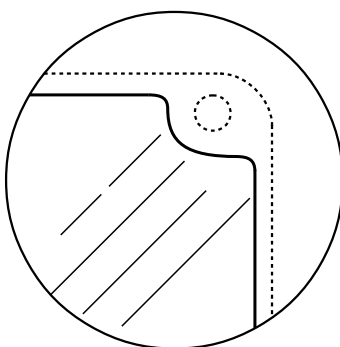
EM 005291838-0011,
also see US D810,713 S



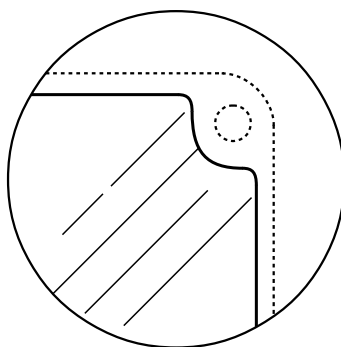
DE 402018201297-0004,
GB Design No. 6032914



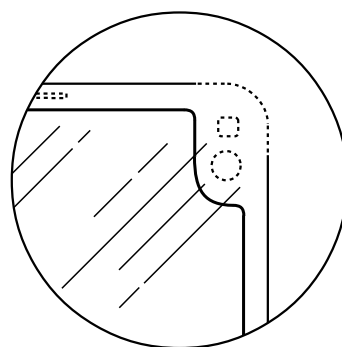
EM 005291838-0007



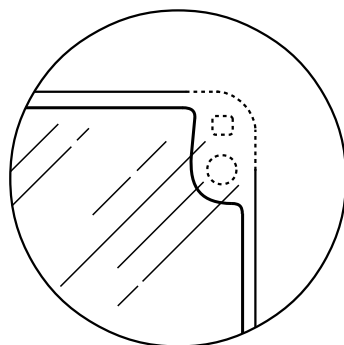
US D914,003 S, DE 402018201389-0002,
GB Design No. 6033340



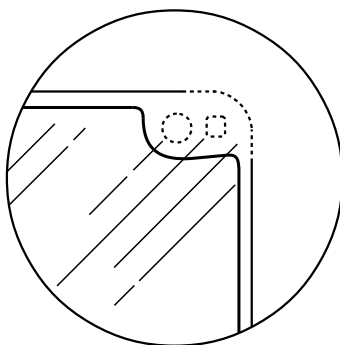
US D914,003 S,
EM 005278009-0007



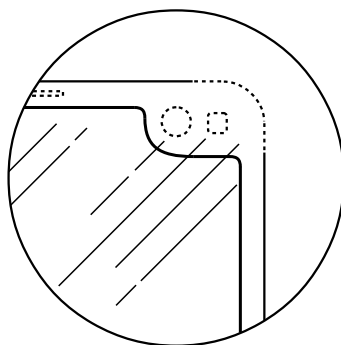
DE 402018201297-0006,
GB Design No. 6032916



DE 402018201297-0005,
GB Design No. 6032915



DE 402018201297-0008, GB Design
No. 6032918, also see US D898,023 S



DE 402018201297-0009, GB Design
No. 6032919, also see US D898,023 S

... and many more!

Full listing with all assets
at www.inodyn.com

Display with **three** curved edges

First cutout with front camera

Bent upper display edge

"... the patent also shows that it could work with other technologies like Samsung's Edge displays or with conventional flat panels."

Yahoo! Finance*

Second cutout with, e.g., wide-angle camera, time-of-flight camera, or IR emitter

Bent display edges at the left & right

US 10,459,481 B2,
AU 2018100897 B4
examined, granted, and certified:

Claim 1

1. (...)
 - d) bending said upper display panel edge, located between said first cutout and said second cutout, to the rear of said display panel, (...)
 - e) bending said left display panel edge, located below said first cutout, and said right display panel edge, located below said second cutout, to the rear of said display panel, (...)
- whereby said first cutout and said second cutout prevent the upper-left corner and the upper-right corner of said display panel from getting crumpled due to the bent upper display panel edge.

Various protected designs:
US D907,034 S,
DE 402017203595,
and many more!

Smartwatch with selfie camera

"... can be used for a smartwatch and a folding smartphone ..."

Whotprice, Shopping News*

Selfie camera

Optional cutout:
e.g., LED indicator or time-of-flight camera

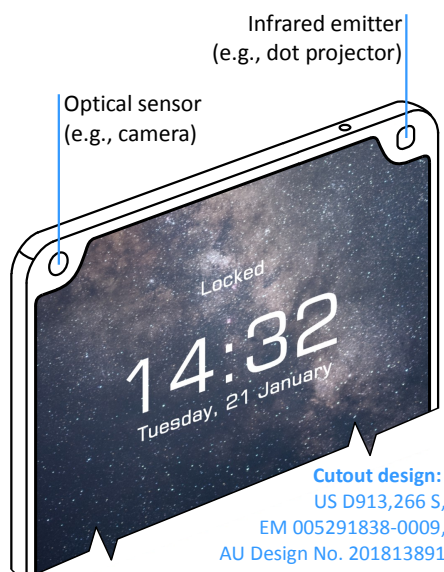
Various protected Designs:

GB Design 6028881,
DE 402017202973,
DE 402017202974,
and many more!

Example: Unlocking via face recognition

Infrared emitter (e.g., dot projector)

Optical sensor (e.g., camera)



Cutout design:
US D913,266 S,
EM 005291838-0009,
AU Design No. 201813891

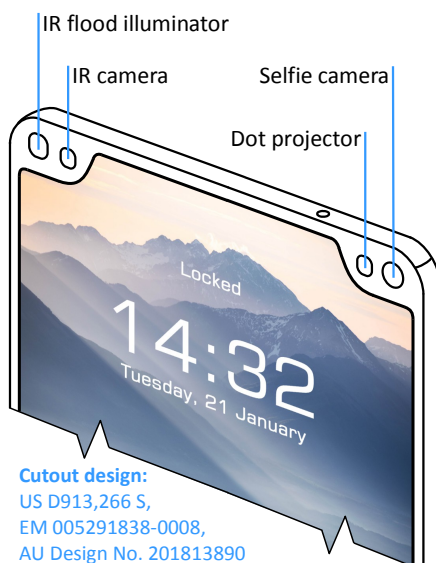
or

IR flood illuminator

IR camera

Selfie camera

Dot projector



Cutout design:
US D913,266 S,
EM 005291838-0008,
AU Design No. 201813890

AU 2018100894 B4
examined, granted, and certified:

Claim 1

1. A mobile electronic device with face recognition, comprising:
 - a) a display panel having at least a first cutout at the upper-left corner and a second cutout at the upper-right corner,
 - b) a casing with at least one thin border, said thin border being located at the upper edge of said display panel,
 - c) at least one optical sensor disposed, at least in part, in the area of said first cutout or in the area of said second cutout,
 - d) at least one optical infrared emitter disposed, at least in part, in the area of said first cutout or in the area of said second cutout, said optical infrared emitter being capable of illuminating the face of a user at least partially,
 - e) a computer system connected to said display panel, said optical sensor, and said optical infrared emitter, said computer system being configured or programmed to be at least able to perform a face recognition using at least a part of the data of said optical sensor.

* Further quotations from further online magazines and links to publications at: www.inodyn.com