CLAIMS

1. A device for signature adaptation, comprising at least one surface element (100; 300; 500) arranged to assume a determined thermal distribution, wherein said surface element comprises at least one temperature generating element (150; 450a, 450b, 450c) arranged to generate at least one predetermined temperature gradient to a portion of a first heat conducting layer (80, 110) of said at least one surface element, wherein ~~the device is characterized in that~~ said at least one surface element (100; 300; 500) comprises at least one radar suppressing element (190), wherein said at least one radar suppressing element (190) is arranged to suppress reflections of incident radio waves, the device being **characterized in** that said radar suppressing element (190) is arranged interiorly relative to said first heat conducting layer (80, 110) and wherein said first heat conducting layer (80, 110) is arranged with frequency selective surface structure so that incident radio waves are filtered and passed through said first heat conducting layer (80, 110) whereby incident radio waves are absorbed by said interiorly arranged radar suppressive element (190).

2. Device according to claim 1, wherein said at least one temperature generating element (150; 450a, 450b, 450c) is thermally applied to a sub surface area (81; 110A, 510A) of a portion of said at least one surface element for generation of said at least one temperature gradient to said portion.

3. Device according to ~~any of the preceding claims~~ claim 2, wherein said portion constitutes at least one ~~outer~~exterior layer (80; 110, 510), arranged exteriorly relative to said at least one temperature generating element (150; 450a, 450b, 450c) of said at least one surface element (100; 300; 500).

4. Device according to claim 3, wherein said at least one ~~outer~~exterior layer (80; 110, 510) is arranged to provide a frequency selective sub surface area (82; 110B, 510B), arranged with frequency selective structure, wherein said frequency selective sub surface area (82; 110B, 510B) is arranged to pass through radio waves within a

predetermined frequency range and wherein said frequency selective sub surface area (82; 110B, 510B) have heat conducting properties.

5. Device according to claim 4, wherein said frequency selective sub surface area (82; 110B, 510B) is arranged to surround said sub surface area (81; 110A, 510A) of said portion.

6. Device according to ~~any of the preceding claims~~claim 4 or 5, wherein said frequency selective sub surface area (82; 110B, 510B) and said subsurface area (81) to which said at least one temperature generating element (150; 450a, 450b, 450c) is thermally applied are mutually arranged so that an application surface of the exterior layer (80; 110, 510) to which the temperature generating element is applied is free of the frequency selective sub surface ~~to~~so that the permeability for radio waves substantially do not decrease the heat conductibility of said portion.

7. Device according to any of the preceding claims, wherein said at least one surface element (100; 300; 500) comprises at least one display surface (50) that have thermal permeability and is arranged to radiate at least one predetermined spectrum.

8. Device according claim 7, wherein said at least one display surface (50) is arranged to permit said at least one predetermined temperature gradient to be maintained in said at least one surface element.

9. Device according any of claims 7-8, wherein said at least one display surface (50) is of emitting type.

10. Device according any of claims 7-9, wherein said at least one display surface (50) is of reflecting type.

11. Device according any of claims 7-10, wherein said at least one display surface (50) is arranged to radiate at least one predetermined spectrum that comprises at least one component within the visual area and at least one component within the infrared area.

12. Device according any of claims 7-11, wherein said at least one display surface (50) comprises a plurality of display sub surfaces (51A-51K), wherein said display sub surfaces are arranged to radiate at least one predetermined spectrum in at least one predetermined direction, wherein said at least one predetermined direction for each display sub surface is individually displaced relative an orthogonal axis of said display surface (50) so as to allow said at least one display surface ~~is arranged~~ to radiate at least one spectrum in a plurality of directions, wherein said at least one predetermined spectrum is directionally dependent.

~~13. Device according claim 12, wherein said at least one display surface (50) comprises a plurality of display sub surfaces (51A-51K), wherein said display sub surfaces are arranged to radiate at least one predetermined spectrum in at least one predetermined direction, wherein said at least one predetermined direction for each display sub surface is individually displaced relative an orthogonal axis of said display surface (50).~~

~~14~~13. Device according ~~any of~~to claim~~s~~ 12~~-13~~, wherein said at least one display surface (50) comprises an obstructing layer (52) comprising at least one optical filter structure (55, 56) wherein said at least one filter structure is arranged to obstruct incident light of selected angles of incidence, and an underlying curved reflecting layer (51) arranged to reflect incident light.

~~15~~14. Device according any of the preceding claims, wherein the device comprises at least one additional element (180) arranged to provide armouring.

~~16~~15. Device according any of the preceding claims, wherein the device comprises a framework (710) or support structure (750; 755), wherein the framework or support structure is arranged to supply current and control signals/communication.

~~17~~16. Device according any of the preceding claims, wherein the device comprises a first heat conducting layer (110), a second heat conducting layer (120), said first and second heat conducting layer being mutually thermally isolated by means of an intermediate insulation layer (130; 131, 132), wherein at least one ~~thermoelectric~~temperature generating element (150; 450a, 450b, 450c) is arranged to

generate said predetermined temperature gradient to a portion of said first heat conducting layer (110) and wherein said first layer (110) and said second layer (120) have anisotropic heat conduction such that heat conduction mainly occurs in the main direction of propagation of the respective layer (110, 120).

~~18~~17. Device according to claim ~~17~~16, wherein the device comprises an intermediate heat conducting element (160) arranged in the insulation layer (130; 131) between the ~~thermoelectric~~temperature generating element (150; 450a, 450b, 450c) and the second heat conducting layer (120), and has anisotropic heat conduction such that heat conduction mainly occurs crosswise to the main direction of propagation of the second heat conducting layer (120).

~~19~~18. Device according any of the preceding claims, wherein said at least one surface element (100; 300; 500) has a hexagonal shape.

~~20~~19. Device according to any of the preceding claims, further comprising visual sensing means (615) arranged to sense the visual background of the surrounding, e.g. visual structural background.

~~21~~20. Device according to any of the preceding claims, further comprising thermal sensing means (610) arranged to sense surrounding temperature, e.g. thermal background.

~~22~~21. Device according to any of the preceding claims, wherein the surface element (100; 300; 500) has a thickness in the range of 5-60 mm, preferably 10-25 mm.

~~23~~22. Object (800), e.g. a craft (800), comprising a device according to any preceding claims.