CLAIMS

1. Watch including a bracelet or strap and a watch case (12), the bracelet (1) including a first arm (48) in which is housed a first printed circuit portion (4) and a second arm (50) in which is housed a second printed circuit portion (6), the first arm (48) being connected to the second arm (50) via a median part (8) arranged to act as a seat for the watch case (12) and which includes means for ensuring electrical continuity between the first printed circuit portion (4) and the second printed circuit portion (6), at least one of the first or second printed circuit portions (4, 6) carrying at least one microcontroller (26) and the other printed circuit portion carrying at least one electrical energy source (34) supplying the microcontroller (26) with electrical current, the watch case (12) being electronically totally independent from the bracelet (1).

2. Watch according to claim 1, characterized in that the first printed circuit portion (4), the second printed circuit portion (6) and the median part (8), which includes the means for ensuring electrical continuity between the first printed circuit portion (4) and the second printed circuit portion (6), are made in one piece.

3. Watch according to claim 2, characterized in that the median part (8) includes at least one arch (8a, 8b, 68).

4. Watch according to claim 1, characterized in that the median part (8) is covered by an insert (14).

5. Watch according to claim 2, characterized in that the median part (8) is covered by an insert (14).

6. Watch according to claim 3, characterized in that the median part (8) is covered by an insert (14).

7. Watch according to claim 4, characterized in that the watch case (12) includes two pairs of diametrically opposite horns (38) and the

insert (14) includes two guide elements (40), arranged to be placed between the respective pairs of horns (38) and each pierced with a hole (42) for the passage of a pin (44) to enable the bracelet (1) to be attached to the watch case (12).

8. Watch according to claim 5, characterized in that the watch case (12) includes two pairs of diametrically opposite horns (38) and the insert (14) includes two guide elements (40), arranged to be placed between the respective pairs of horns (38) and each pierced with a hole (42) for the passage of a pin (44) to enable the bracelet (1) to be attached to the watch case (12).

9. Watch according to claim 6, characterized in that the watch case (12) includes two pairs of diametrically opposite horns (38) and the insert (14) includes two guide elements (40), arranged to be placed between the respective pairs of horns (38) and each pierced with a hole (42) for the passage of a pin (44) to enable the bracelet (1) to be attached to the watch case (12).

10. Watch according to claim 7, characterized in that the first arm (48) and the second arm (50) are formed by the first printed circuit portion (4) and the second printed circuit portion (6) overmoulded with a first overmoulding layer (46).

11. Watch according to claim 8, characterized in that the first arm (48) and the second arm (50) are formed by the first printed circuit portion (4) and the second printed circuit portion (6) overmoulded with a first overmoulding layer (46).

12. Watch according to claim 9, characterized in that the first arm (48) and the second arm (50) are formed by the first printed circuit portion (4) and the second printed circuit portion (6) overmoulded with a first overmoulding layer (46).

13. Watch according to claim 10, characterized in that the insert (14) is also overmoulded with the first overmoulding layer.

14. Watch according to claim 11, characterized in that the insert (14) is also overmoulded with the first overmoulding layer.

15. Watch according to claim 12, characterized in that the insert (14) is also overmoulded with the first overmoulding layer.

16. Watch according to claim 10, characterized in that it includes a sleeve (52) formed of a first strand (54) and of a second strand (56) connected to each other by a connecting part (58), the first and second strands (54, 56) being hollow and each provided with an opening (60) so that the first and second arms (48, 50) can slide therein.

17. Watch according to claim 13, characterized in that it includes a sleeve (52) formed of a first strand (54) and of a second strand (56) connected to each other by a connecting part (58), the first and second strands (54, 56) being hollow and each provided with an opening (60) so that the first and second arms (48, 50) can slide therein.

18. Watch according to claim 10, characterized in that the sleeve (52) is formed of an upper band (62) and a lower band (64) joined to each other along the peripheral edges (66) thereof.

19. Watch according to claim 13, characterized in that the sleeve (52) is formed of an upper band (62) and a lower band (64) joined to each other along the peripheral edges (66) thereof.

20. Watch according to claim 10, characterized in that the bracelet (1) is overmoulded with a second layer of plastic or elastomeric material.

21. Watch according to claim 13, characterized in that the bracelet (1) is overmoulded with a second layer of plastic or elastomeric material.

CLAIMS

1. Watch including a bracelet or strap and a watch case (12), the bracelet (1) including a first arm (48) in which is housed a first printed circuit portion (4), and a second arm (50) in which is housed a second printed circuit portion (6), the first arm (48) being connected to the second arm (50) via a median part (8) arranged to act as a seat for the watch case (12) and which includes means for ensuring electrical continuity between the first printed circuit portion (4) and the second printed circuit portion (6), at least one of the first or second printed circuit portions (4, 6) carrying at least one microcontroller (26) and the other printed circuit portion carrying at least one electrical energy source (34) supplying the microcontroller (26) with electrical current, the watch case (12) being electronically totally independent form the bracelet (1).

2. Watch according to claim 1, characterized in that the first printed circuit portion (4), the second printed circuit portion (6) and the median part (8), which includes the means for ensuring electrical continuity between the first printed circuit portion (4) and the second printed circuit portion (6), are made in one piece.

3. Watch according to claim 2, characterized in that the median part (8) includes at least one arch (8a, 8b, 68).

4. Watch according to any of claims 1 to 3, characterized in that the median part (8) is covered by an insert (14).

5. Watch according to claim 4, characterized in that the watch case (12) includes two pairs of diametrically opposite horns (38) and the insert (14) includes two guide elements (40), arranged to be placed between the respective pairs of horns (38) and each pierced with a hole (42) for the passage of a pin (44) to enable the bracelet (1) to be attached to the watch case (12).

6. Watch according to claim 5, characterized in that the first arm (48) and the second arm (50) are formed by the first printed circuit portion (4) and the second printed circuit portion (6) overmoulded with a first overmoulding layer (46).

7. Watch according to claim 6, characterized in that the insert (14) is also overmoulded with the first overmoulding layer.

8. Watch according to any of claims 6 or 7, characterized in that it includes a sleeve (52) formed of a first strand (54) and of a second strand (56) connected to each other by a connecting part (58), the first and second strands (54, 56) being hollow and each provided with an opening (60) so that the first and second arms (48, 50) can slide therein.

9. Watch according to claim 8, characterized in that the sleeve (52) is formed of an upper band (62) and a lower band (64) joined to each other along the peripheral edges (66) thereof.

10. Watch according to claim 6 or 7, characterized in that the bracelet (1) is overmoulded with a second layer of plastic or elastomeric material.