

Claims:

1. A leak detector for detecting leaked liquid on a surface of a pipe, cylinder or vessel, having:
- 5 a housing;
- a fastening mechanism comprising a strap, band or belt, the fastening mechanism comprising an absorbent pad or incorporating an absorbent pad within its structure, the strap, band or belt wrapping around the pipe, cylinder or vessel to ~~hereby the fastening mechanism for~~ fastening the housing and the pad in place on
- 10 the surface;
- wherein the pad is part of or attached to the strap, band or belt and extends along a length of the strap, band or belt;
- a circuit board in the housing, carrying electrical circuitry including a circuit branch comprising two spaced apart electrically conducting elements each extending
- 15 through the housing, into the pad and extending within the pad along a length of the strap, band or belt;
- wherein in a non-leak state the circuit branch is electrically open by virtue of the spacing between the two elements and in a leak state leaked liquid absorbed by the pad provides an electrical conduction medium between the two elements thereby
- 20 electrically closing the circuit branch.
2. A detector according to claim 1 wherein the electrical circuit includes a further branch comprising further two spaced apart electrically conducting elements each extending through the housing, into the pad and extending within the pad along
- 25 another length of the strap, band or belt.
3. A detector according to claim 1 or claim 2 wherein each conducting element comprises a metal prong.
- 30 4. A detector according to any of claims 1 to 3 wherein the circuitry further includes an alarm which is switched on by the circuit branch going from open to closed.

5. A detector according to claim 4 wherein the alarm is audible and/or visible.

6. A detector according to any of claims 1 to 5 wherein the power supply for the electrical circuitry comprises at least one battery in the housing.

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7. A detector according to any of claims 1 to 6 wherein the housing comprises at least two slots and the strap, band or belt threads through each of the slots.

8. A detector according to any of claims 1 to 7 wherein the strap, band or belt comprises hook and eye fasteners.

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~~9. A detector according to any of claims 1 to 8 wherein the surface is the surface of a pipe, cylinder or vessel and the strap, band or belt wraps around the pipe, cylinder or vessel.~~

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~~10. A detector substantially as hereinbefore described with reference to the accompanying drawings.~~

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