CLAIMS

1. Use of a heat-transfer fluid comprising at least one monoester of at least one C_6-C_{12} aliphatic mono-alcohol with at least one linear or branched C_2-C_7 aliphatic monocarboxylic acid, for cooling an electronic component with an indirect liquid cooling system.

2. The use according to claim 1, wherein in said heat-transfer fluid said C_6-C_{12} aliphatic mono-alcohol of said monoester is selected from the group consisting of: 1-hexanol, 1-octanol, 2-ethylhexanol, isononanol, 3,5,5-trimethylhexanol, 2-propylheptanol, 1-decanol, isodecanol (8-methyl-1-nonanol), isoundecanol (9-methyl-1-decanol), lauryl alcohol (dodecanol), 2,4 – diethyl octanol and mixtures thereof.

3. The use according to claim 1 or 2, wherein in said heat-transfer fluid said aliphatic mono-alcohol of said monoester is a C_6-C_{10} mono-alcohol.

4. The use according to any one of claims from 1 to 3, wherein in said heat-transfer fluid said aliphatic mono-alcohol of said monoester is selected from the group consisting of: 2-ethylhexanol, 2-propylheptanol, and mixtures thereof.

5. The use according to any one of claims from 1 to 4, wherein in said heat-transfer fluid said aliphatic monocarboxylic acid of said monoester is a C_5-C_7 aliphatic monocarboxylic acid, wherein said C_5-C_7 aliphatic monocarboxylic acid is selected from the group consisting of 2-methylbutyric acid, 3-methylbutyric acid, valeric acid, hexanoic acid, heptanoic acid, and mixtures thereof.

6. The use according to any one of claims from 1 to 5, wherein in said heat-transfer fluid said monoester is selected from the group consisting of: 2-propylheptaniyl valerate, 2-ethylhexaniyl heptanoate.

7. The use according to any one of claims from 1 to6, wherein said indirect liquid cooling system comprises:

a liquid cooling loop apt to circulate said heat-transfer fluid;

a pump apt to pump said heat-transfer fluid throughout said liquid cooling loop;

an heat exchanger apt to cool said heat-transfer fluid; and

optionally, a reservoir apt to contain said heat-transfer fluid.

8. The use according to any one of claims from 1 to 7, wherein said electronic component is mounted in an electronic device.

9. The use according to claim 8, wherein said electronic device is selected from the group consisting of: a computer, a server, a server farm, a telecommunication centre, and a datacentre.

10. A method for cooling an electronic component with an indirect liquid cooling system, wherein said liquid cooling system comprises a heat-transfer fluid comprising at least one monoester of at least one C_6-C_{12} aliphatic mono-alcohol with at least one linear or branched C_2-C_7 aliphatic monocarboxylic acid.

11. The method according to claim 10, wherein said method comprises the step of: transferring heat from said electronic component to said heat-transfer fluid.

12. The method according to claim 10 or11, wherein said heat-transfer fluid is an heat-transfer fluid according to any claims from 1 to 6.

13. An electronic device comprising:

at least one electronic component; and

at least one indirect liquid cooling system apt to cool said electronic component and comprising at least one heat-transfer fluid comprising at least one monoester of at least one C_6-C_{12} aliphatic mono-alcohol with at least one linear or branched C_2-C_7 aliphatic monocarboxylic acid.

14. The electronic device according to claim 13, wherein said heat-transfer fluid is an heat-transfer fluid according to any claims from 1 to 6.

15. A heat transfer fluid for cooling an electronic component, comprising at least one monoester of at least one C_6-C_{12} aliphatic mono-alcohol with at least one linear or branched C_2-C_7 aliphatic monocarboxylic acid and at least one an additive selected from the group consisting of: an antioxidant, a pour-point-depressant additive, an antifoam, an anticorrosion agent, a viscosity modifier, a wear-resistance and/or extreme-pressure additive, a friction modifier, a detergent, a dispersant, and mixtures thereof.