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(54) **REFRIGERANT LEAK DETECTOR AND AIR
CONDITIONER INCLUDING REFRIGERANT
LEAK DETECTOR**

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(57) **ABSTRACT**

A refrigerant leak detector and an air conditioner including a refrigerant leak detector. The refrigerant leak detector may include an acoustic emission sensor that detects an elastic wave generated from a refrigerant leak site in a refrigerant pipe, and a jig comprising a lower end portion configured to contact an outer circumferential surface of the refrigerant pipe and an upper end portion in contact with the acoustic emission sensor. The lower end portion may include a curved surface configured to contact the refrigerant pipe. The upper end portion may include a flat surface that supports the acoustic emission sensor.

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