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(54) **WIRE HARNESS UNIT**

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(57) **ABSTRACT**

A wire harness unit including: a conduction path that conducts electricity between in-vehicle devices; and a cooling tube that cools the conduction path, wherein: the conduction path has a hollow tubular conductor having conductivity, and a tubular first insulating layer covered by the tubular conductor, and the first insulating layer is the cooling tube and configured to circulate a cooling medium therethrough.