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(54) **IN-VEHICLE RELAY DEVICE, RELAY METHOD, AND RELAY PROGRAM**

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(57) **ABSTRACT**

Provided is an in-vehicle relay device including a relay unit that relays frames transmitted and received between one in-vehicle device and another in-vehicle device in an in-vehicle network, a calculation unit that calculates a processing load of the other in-vehicle device based on frames that were received from the in-vehicle device by the relay unit and are addressed to the other in-vehicle device, and a determination unit that determines whether or not the relay unit is to relay the frames addressed to the other in-vehicle device based on the processing load calculated by the calculation unit.

In-vehicle ECU	Processing target frames	Load increase rate	Processing time	Threshold
A	No.1	a %	w ms	M %
	No.2	b %	x ms	
B	No.1	c %	y ms	N %
	No.3	d %	z ms	