

Patent

This patent is related to the improvement of the sound vibration performance of Jatco CVT-X that is introduced in the technical report "Development of a new CVT featuring high efficiency and wide ratio coverage".

1. AUTOMATIC TRANSMISSION

(Fig. 1)

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Title :AUTOMATIC TRANSMISSION

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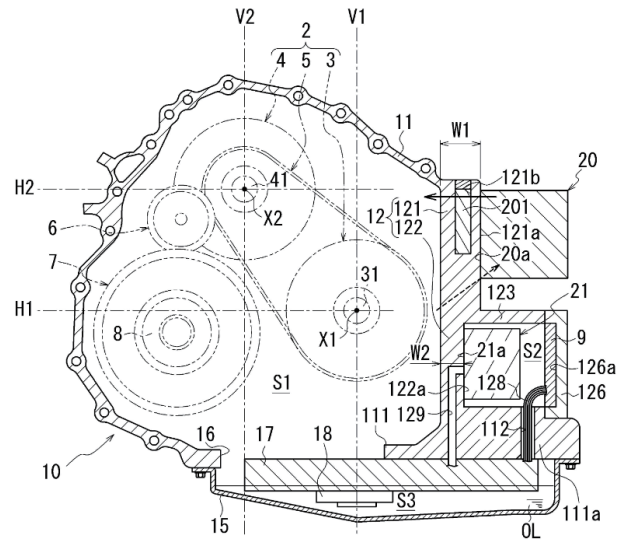


Fig. 1

【SUMMARY OF THE INVENTION】

When an electric oil pump is attached to the outer circumference of the automatic transmission case, the further away from a rotating axis X1 of the primary pulley, which is the node of power plant resonance (the point of small amplitude), there is the issue that the worse the sound vibration performance becomes.

In the automatic transmission of the present invention, the primary pulley side end 21a of the electric oil pump 21 is positioned closer to the primary pulley 3 than the primary pulley side end 20a of the oil cooler 20.

This allows the electric oil pump 21, which has a higher sound power level than the oil cooler, to be placed closer to the node of the power plant resonance of the power plant, thereby reducing the deterioration of the sound vibration performance.