

Title (en)
HEAT EXCHANGER INTEGRATED IN A TRANSMISSION

Title (de)
IM GETRIEBE INTEGRIERTER WÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE INTEGRE A UNE BOITE DE VITESSES

Publication
EP 1611374 A1 20060104 (DE)

Application
EP 04725310 A 20040402

Priority
• EP 2004003491 W 20040402
• DE 10315684 A 20030407

Abstract (en)
[origin: WO2004090386A1] A transmission (8) comprises a transmission case (26) that has an area in which gear wheels (66, 68) rotate. The transmission also comprises a heat exchanger (30) that absorbs heat, which is generated inside the transmission (8) and which is transferred to a transmission lubricant, and the heat exchanger, in turn, transfers heat to a coolant for taking away the heat from the transmission (8). A recess (56) is provided in the transmission case (26) outside the area in which the gear wheels (66, 68) rotate. Said recess is flown through by the transmission lubricant, and the heat exchanger (30) is located inside this recess.

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