

Title (en)
Railway traction unit

Title (de)
Schienentriebfahrzeug

Title (fr)
Engin de traction ferroviaire

Publication
EP 0761521 B1 20001206 (DE)

Application
EP 96113988 A 19960902

Priority
DE 19532855 A 19950906

Abstract (en)
[origin: EP0761521A2] The locomotive has a wagon box or frame (12) to receive a drive motor (14) and a transmission. There are components for cooling various fluids including cooling water, transmission fluid and air conditioning plant fluid. These include at least a cooler (32), pump (28) and connecting lines. All these components and the assembly base (26) are brought together in modular form to comprise a single construction group, ie. a compact cooling plant (16). At least one cooler has a fan with induction or compression action. At least one cooler may be placed above the other components.

IPC 1-7
B61C 5/02; **B61C 17/04**

IPC 8 full level
B61C 5/02 (2006.01); **B61C 17/04** (2006.01)

CPC (source: EP)
B61C 5/02 (2013.01); **B61C 17/04** (2013.01)

Cited by
CN105438192A; AT503149B1; AT503148B1; US7550474B2; WO2007031245A1

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AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
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