

Title (en)

Plant with a pump unit for circulating heated liquid within the plant

Title (de)

Anlage mit Pumpeneinheit zum Umwälzen einer Beheizten Flüssigkeit

Title (fr)

Installation avec unité de pompage pour la circulation d'un liquide échauffé

Publication

**EP 0615070 B1 19970514 (EN)**

Application

**EP 94103335 A 19940304**

Priority

DK 27393 A 19930310

Abstract (en)

[origin: EP0615070A1] In a plant comprising a pump unit for circulating heated liquid within the plant, said pump unit comprising a liquid pump (1,2,3,5) driven by an electric motor (4,6,7), the operating economy is improved by cooling the electric motor by circulating a part-flow of the heated liquid circulated by the liquid pump in a cooling jacket (8) provided in the electric motor (4,6,7). A further improvement is achieved by thermally insulating (10) the electric motor (4,6,7) and the liquid pump (1,2,3,5) from the surroundings, so that the heat losses from the electrical components are utilized for heating the liquid being circulated. <IMAGE>

IPC 1-7

**F04D 29/58**; **F04D 13/06**

IPC 8 full level

**F04D 13/06** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP)

**F04D 13/06** (2013.01); **F04D 29/588** (2013.01); **F04D 29/5893** (2013.01)

Cited by

DE19633137A1; EP2477731A4

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