

Title (en)
Variable output pump device

Title (de)
Pumpe mit regelbarer Liefermenge

Title (fr)
Dispositif de pompe à débit variable

Publication
EP 1589228 A1 20051026 (EN)

Application
EP 05103251 A 20050421

Priority
FR 0404346 A 20040423

Abstract (en)
A variable output pump device, comprising a movable component capable of displacing a liquid fluid, said movable component being driven at constant speed by a motor, a similar actuating means or a means of transmitting movement, said movable component being mounted in a chamber of a housing comprising a supply passage or orifice and an outlet passage, the output of the pump device being variable according to the temperature of the liquid fluid aspirated and delivered by said device, at least within a certain temperature range. <??>The pump device (1) also comprises a heat-sensitive component (8) mounted in the supply passage or orifice (6) or in the outlet passage (7), the apparent surface in a projection plane perpendicular to the direction of the fluid flow of said heat-sensitive component (8) being a function of the temperature of said fluid with which it is in direct contact. <IMAGE>

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F04D 15/00

IPC 8 full level
F04D 15/00 (2006.01)

CPC (source: EP US)
F04D 15/0038 (2013.01 - EP US)

Citation (search report)
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• [X] US 6260515 B1 20010717 - TOSAKA TETSUYA [JP], et al
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• [A] FR 2681906 A1 19930402 - RENAULT VEHICULES IND [FR]

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