

Title (en)

Gerotor motor dynamic brake

Title (de)

Bremse für einen Innenzahnradmotor

Title (fr)

Frein pour moteur à engrenage à denture intérieure

Publication

**EP 0870922 A1 19981014 (EN)**

Application

**EP 98105403 A 19980325**

Priority

US 83167397 A 19970410

Abstract (en)

A hydraulic motor including a gerotor gear set (15), and a valve (41) disposed forwardly of the gerotor. Disposed rearwardly of the gerotor is an endcap member (21) defining a chamber (71) in which is disposed a brake disc pack (89). The outer brake discs (91) are fixed to be non-rotatable relative to the endcap member (21), while the inner brake discs (93) are splined to a disc mounting portion (97) of an insert member (54). The insert member (54) includes an insert portion (109) received within the orbiting and rotating star member (31) of the gerotor, such that the inner brake discs (93) orbit and rotate relative to the outer brake discs (91). The dynamic brake of the invention does not require any substantial redesign of the motor, forward of the endcap member (21), and its location means that the brake disc pack (89) is required to hold only a fraction of the full output torque of the motor. <IMAGE>

IPC 1-7

**F03C 2/08**; **F04C 2/10**; **F04C 15/00**

IPC 8 full level

**F03C 2/08** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)

**F04C 15/0057** (2013.01); **F04C 15/0084** (2013.01)

Citation (applicant)

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Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 7, no. 183 (M - 235)<1328> 12 August 1983 (1983-08-12)

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