

Title (en)

Spline reduction and extension for auxiliary drive component.

Title (de)

System zur Vergrößerung der tragenden Länge einer Zahnkupplung für den Antrieb eines Hilfsgeräts mit Hilfe eines Reduzierstücks.

Title (fr)

Réduction et extension de cannelure pour un élément auxiliaire d'entraînement.

Publication

EP 0544209 A1 19930602 (EN)

Application

EP 92119907 A 19921123

Priority

US 79767291 A 19911125

Abstract (en)

A gerotor motor is disclosed of the type including a stationary, internally-toothed ring member (21;221) and an externally-toothed star member (23;223) orbiting and rotating within the ring member. The motor is of the type utilizing a valving member (53;253) of the "low-speed" type, which rotates at the speed of rotation of the star member. The star member defines internal splines (43;243) and in engagement therewith is an insert member (79;279) which is, in turn, in splined engagement with a valve drive shaft (47;247). The insert member (79;279) extends axially beyond the star member and is received within an adjacent annular recess (85;285), thus maximizing the spline length available for engagement with the main drive shaft (39;239), and maximizing the torque capacity of the motor. <IMAGE>

IPC 1-7

F01C 1/10; **F04C 2/10**

IPC 8 full level

F03C 2/08 (2006.01); **F04C 2/10** (2006.01)

CPC (source: EP)

F04C 2/104 (2013.01)

Citation (search report)

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Cited by

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