

Title (en)
Hydraulic machine with rotating cylinder block.

Title (de)
Hydraulische Maschine mit drehendem Zylinderblock.

Title (fr)
Machine tournante hydraulique.

Publication
EP 0466561 A1 19920115 (FR)

Application
EP 91401854 A 19910704

Priority
FR 9008741 A 19900710

Abstract (en)
The rotating machine according to the invention comprises a series of cylindrical chambers (5) swept by pistons (6) according to cycles for the suction and delivery of a hydraulic fluid and connected alternately to high-pressure and low-pressure ports during a rotation of the machine, and it has a preexpansion port (14) located between the high-pressure port and the low-pressure port in relation to a direction of rotation of the machine, and the preexpansion port is connected by means of a connecting conduit (15) to rotating support members (3) in order to cause the hydraulic fluid to follow a path passing through the rotating support members. <IMAGE>

Abstract (fr)
La machine tournante selon l'invention comporte une série de chambres cylindriques (5) balayées par des pistons (6) selon des cycles d'aspiration et de refoulement d'un liquide hydraulique, et alternativement reliées à des orifices haute pression et basse pression lors d'une rotation de la machine, elle comporte un orifice de prédétente (14) disposé entre l'orifice haute pression et l'orifice basse pression par référence à un sens de rotation de la machine, l'orifice de prédétente est relié par un conduit de liaison (15) à des organes support tournants (3) pour faire suivre au fluide hydraulique un chemin traversant les organes support tournants. <IMAGE>

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IPC 8 full level
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CPC (source: EP US)
F04B 1/2021 (2013.01 - EP US); **F04B 1/2028** (2013.01 - EP US)

Citation (search report)
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DE GB

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