

Title (en)
SLIDING SHOE FOR HYDROSTATIC PISTON MACHINES

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EP 0011145 B1 19821222 (DE)

Application
EP 79103993 A 19791016

Priority
DE 2849042 A 19781111

Abstract (en)
[origin: EP0011145A1] 1. A slide shoe for hydrostatic piston machines on the slide sole (13) of which are formed hydrostatic and hydrodynamic pressure fields serving for relieving, wherein the central hydrostatic pressure field is influenced through a bore (17) formed in the slide shoe (1) and in communication with the high pressure side and is bounded by a first annular groove (18, 30, 32, 34) surrounding it, and comprising a second annular groove (19, 31, 35) of greater diameter extending concentrically with respect to the first annular groove and which issues at the side edge of the slide sole (13), characterized in that, both annular grooves - as is known - have a triangular cross-section and that the said cross-section is made so asymmetrical that the outer flank (19") of the annular groove (19, 31, 35) with the larger diameter and the inner flank (18") of the annular groove (18, 30 ; 32, 34) with the smaller diameter forms a shallow angle with the slide sole whereas the two other flanks (18', 19') extend parallel to the axis of the shaft (2) of the slide shoe.

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F04B 21/04

IPC 8 full level
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Citation (examination)
Dubbel "Taschenbuch für den Maschinenbau" 13. Auflage Neudruck 1974, Seite 718-719

Cited by
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