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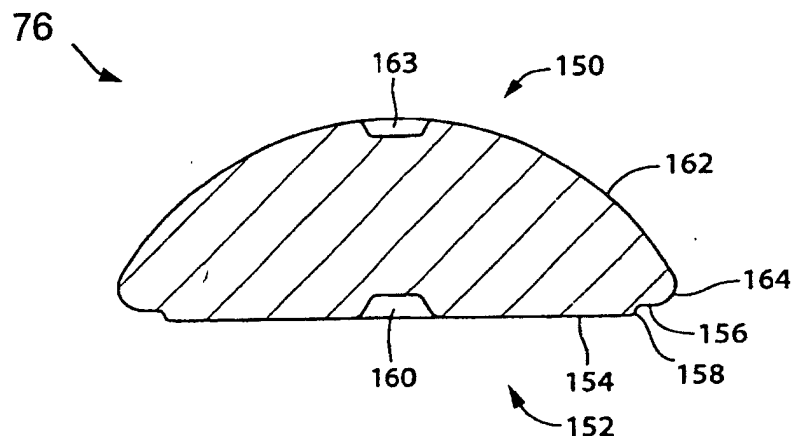
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(54) **Shoe for use in swash plate type compressor and method of forming the same**

(57) A shoe in a swash plate type compressor has a spherical engaging surface that engages with a piston, and a plane engaging surface that is substantially a plane and engages with a swash plate. The plane engaging surface includes a substantially planar sliding surface, a substantially radially extending peripheral surface and a connecting surface. The sliding surface is formed near a center of the plane engaging surface

and slides over the swash plate. The peripheral surface is formed near a periphery of the plane engaging surface, is formed at a distance from the sliding surface away from the surface of the swash plate so as to form an inwardly-directed step in the plane engaging surface, and is connected to the spherical engaging surface at its outer periphery. The connecting surface connects the sliding surface to the peripheral surface.

FIG. 2





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Place of search THE HAGUE		Date of completion of the search 20 October 2003	Examiner Dimitroulas, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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