

Title (en)
Peristaltic pump

Title (de)
Peristaltische Pumpe

Title (fr)
Pompe péristaltique

Publication
EP 0872252 A1 19981021 (EN)

Application
EP 97202451 A 19970807

Priority
IL 12069797 A 19970418

Abstract (en)
A peristaltic pump for propelling liquid through a flexible tube segment. The pump has a cam shaft which carries a plurality of cams each having a driving surface. The driving surfaces of adjacent cams are spaced at an angle to each other about the cam shaft. The pump also has a plurality of cam followers which are each reciprocal in a common direction perpendicular to the axis of the cam shaft. Each cam follower has a cam surface riding on the driving surface of a cam and a tube engaging surface for engaging the flexible tube segment. At least one of the cam followers is a restriction cam follower of which the tube engaging surface engages the flexible tube segment for a longer period than that of the other cam followers. The pump also has a motor for rotating the cam shaft whereby the cams cause the cam followers to each engage and occlude the flexible tube segment to form a propagating depression wave in the flexible tube segment for propelling liquid. The restriction cam followers prevent back flow of the liquid. <IMAGE>

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