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(71) Applicant (for all designated States except US): **MERLIN MD PTE LTD** [SG/SG]; 29 Woodlands Industrial Park E1, #04-13/14 Northtech (Lobby 3), Singapore 757716 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RUDAKOV, Leon** [US/SG]; 29 Woodlands Industrial Park E1, #04-13/14 Northtech (Lobby 3), Singapore 757716 (SG). **O' CONNOR, Michael** [US/SG]; 29 Woodlands Industrial Park E1, #04-13/14 Northtech (Lobby 3), Singapore 757716 (SG). **RAJ D, Vimal** [IN/SG]; Block 762, Choa Chu Kang North 5, #16-259, Singapore 680762 (SG).

(74) Agent: **ALBAN TAY MAHTANI & DE SILVA**; 39 Robinson Road, #07-01 Robinson Point, Singapore 068911 (SG).

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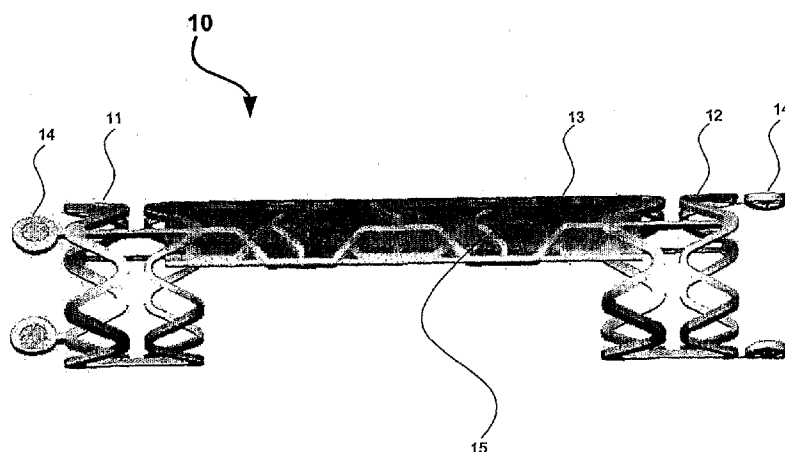
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(54) Title: MEDICAL DEVICE WITH NON-CIRCUMFERENTIAL SURFACE PORTION



(57) Abstract: A medical device (10) for insertion into a bodily vessel (4) to treat an aneurysm (5) having an aneurysm neck, the device (10) comprising: a mechanically expandable device expandable from a first position to a second position; the mechanically expandable device having an exterior circumferential surface at end portions (11, 12) of the mechanically expandable device such that the exterior circumferential surface engages with the inner surface of the vessel (4) so as to maintain a fluid pathway through said vessel (4) when the end portions (11, 12) of the mechanically expandable device are expanded radially outwardly to the second position; the mechanically expandable device having an exterior non-circumferential surface at a connecting portion (13) of the mechanically expandable device to connect the end portions (11, 12); and an expandable membrane (15) extending over a portion of the exterior non-circumferential surface, the membrane (15) is expanded in response to expansion of the mechanically expandable device; wherein the connecting portion (13) is positioned proximal to the aneurysm neck such that the expanded membrane (15) obstructs blood circulation to the aneurysm (5).

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