

U.S. Patent No. 8,506,554 – Claim Listing (Challenged Claims)

Claim No.	Limitation
12[pre]	A vacuum system for applying negative pressure to a wound, the vacuum system comprising:
12[a]	an enclosure and a vacuum source, the enclosure being attachable to the wound circumference so as to define a confined volume;
12[b]	a tube;
12[c]	a venting arrangement comprising a flow restrictor to restrict flow through said venting arrangement,
12[d]	the enclosure having an enclosure outlet connectable to said vacuum source via said tube so that negative pressure can be created in said volume,
12[e]	said venting arrangement located outside said enclosure such that ambient air can enter said tube via said venting arrangement without entering said enclosure; and
12[f]	a waste container in fluid communication with said vacuum source.
13[pre]	The vacuum system of claim 12,
13[a]	wherein said vacuum system further operates to drain the wound from fluids exuded therefrom,
13[b]	wherein the ambient air can enter said tube via said venting arrangement and flow together with the exuded liquids under the action of the negative pressure,
13[c]	and facilitates draining of the exuded fluids to said waste container.
14[pre]	The vacuum system according to claim 12,
14[a]	wherein said vacuum source includes a disposable pump unit detachably attachable to a non-disposable drive unit,
14[b]	said enclosure and said waste container being disposable so that the ambient air that enters said tube via said venting arrangement contacts only the disposable elements
14[c]	and said drained liquids may be disposed of together with said disposable elements.
15	The vacuum system according to claim 14, wherein said pump unit and said drive unit are adapted for attaching and detaching by simple hand manipulations.
16	The vacuum system according to claim 12, wherein said venting arrangement comprises one or more bleeding holes.
17	The vacuum system according to claim 12, wherein said venting arrangement is provided in the form of a porous body.
26	The vacuum system according to claim 12, wherein the venting arrangement is a tube orifice.
27	The vacuum system according to claim 26, said orifice having a smaller opening than a cross-section of the tube.