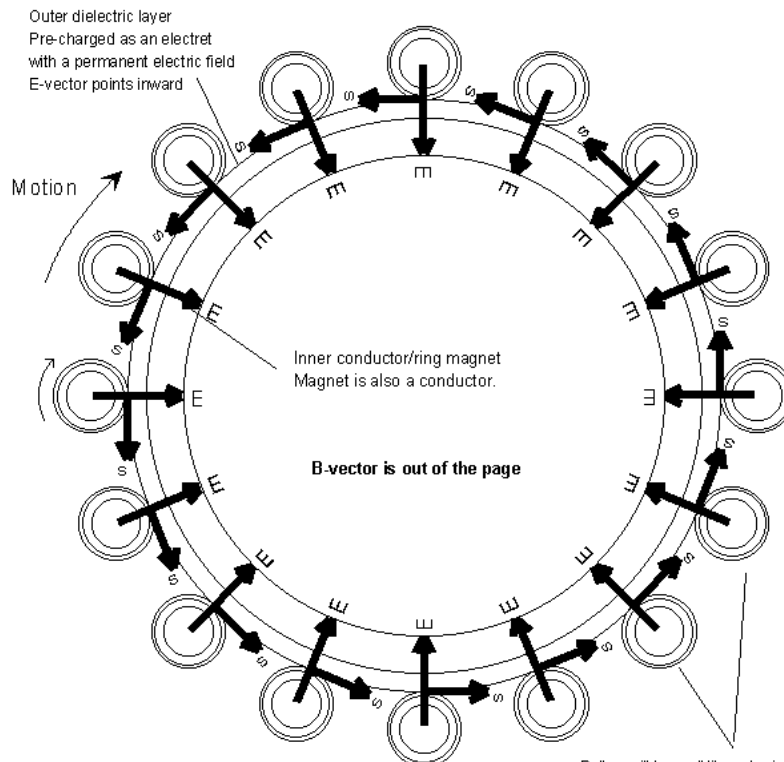


My ideas in France

There is interesting web site in France, but only problem is: the author published some ideas were presented by me, Alexander V. Frolov in discussion group as his own work. Really, it is not important if it is correct understanding of the idea <http://jnaudin.free.fr/html/newseg.htm>

When I described the Searl effect as Umov-Pointing vector result, the topic was immediately raised onto board of the Jean Louis Naudin web site. That is great deal since many people can see it now and to work by this way. So, I wrote about this principle and Jean Louis Naudin offered the same idea as following:



Proposed New SEG Type Design

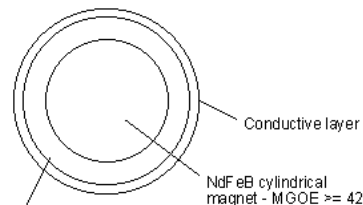
This design is based on the $E \times B \times S$ relationship where the Poynting S -vector imbalance causes and sustains the motion of the rollers. It is an extension of Jean-Louis Naudin's PFT MK2 high voltage capacitive electrostatic motor. Instead of the center ring rotating the rollers move around the ring using the same S -vector force. The B -field comes from the magnets. The E -field comes from the pre-stressed and precharged dielectric (electret). A slight movement of the rollers should get them moving and accelerating. No special magnetic patterns are required if the $E \times B \times S$ vector relationship is valid as proven by the PFT MK2 motor. This has not been built and tested yet. IT is only a design proposal based on current findings and experiments done by Jean-Louis Naudin. ---Dave Squires - 9-27-99

Construction Suggestions:

Use epoxy for dielectric and apply high voltage while curing to make electret.
 Make sure polarity is correct.
 Rollers: Plus inside, negative outside
 Ring: Plus outside, negative inside
 Make height of ring 1/4th to 1/5th the diameter. Hopefully this will avoid roller wobble.
 Rollers should be the same length as the height of the ring.
 Number of rollers will depend on their diameter.
 Put on as many as will fit with space nearly equal to the diameter.

Rollers will have all like poles in the same direction. The strong repulsion from one to the other will keep them equally spaced. A small amount of centrifugal force will cause them to float above the surface of the ring. Attraction to the ring will keep them from flying off.

Roller Detail



Dielectric layer - It is also a precharged as an electret with plus inside and minus outside. E -vector points outward.