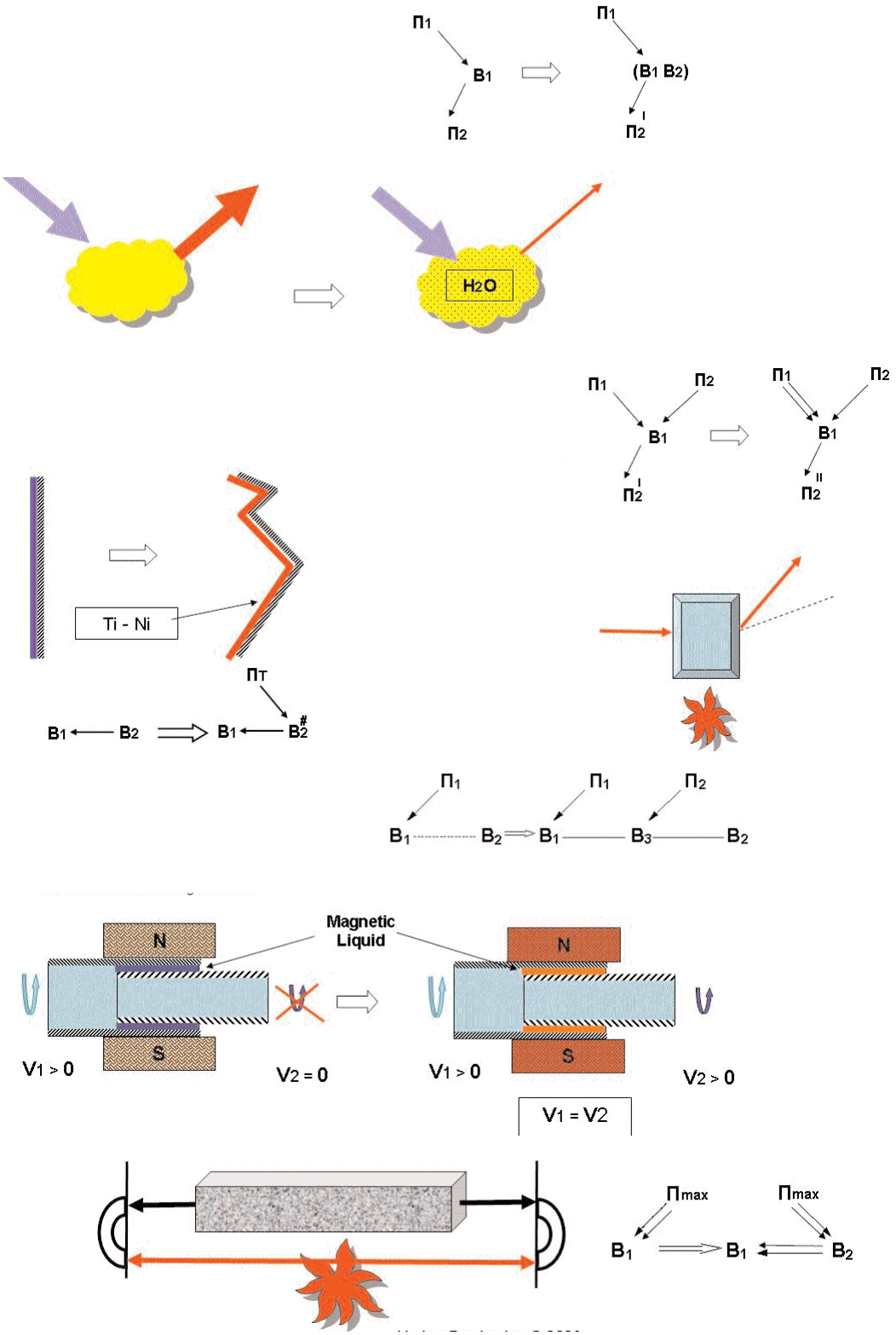
П1
В1
П2
(В1 В2)
H2O
Ti - Ni
ПТ
Magnetic Liquid
N
S
V1 > 0
V2 = 0
V2 > 0
V1 = V2
Пmax

System of Standards

Practically all instruments of TRIZ are intended for revealing and elimination of contradictions in system.

Originally this process was carried out in each task. But further when the disassembled tasks began much, similar contradictions and similar ways of their elimination have started to collect.

The following step became formation of fund of typical models of tasks and standard ways of their solution. Thus revealing and elimination of contradictions was not carried out for each task as this action was executed beforehand.

So standards for the decision inventioms tasks have appeared. In the beginning, in 1975, them was all a little, but they had all necessary elements. In them in common, is interconnected physical effects, the strongest receptions of imagination were used вепольные models.

In 1975 to the book «Creativity as the exact science» was published ten standards and the next years the quantity of new standards grew promptly. By 1985 of them became 77. It is natural, that such quantity could not be simple «warehouse», «heap», therefore standards have formed system. This system operates and now.

Now the system of standards consists of five basic classes, each of which has the internal structure. It is very important, that standards are built according to some laws of development of systems.

Now the ***system of standards*** has such structure:

The Class 1. Construction and destruction of vepol systems.
The Subclass 1.1. Synthesis of vepols.
The Subclass 1.2. Destruction of vepols.

The Class 2. Development of vepol systems.
The Subclass 2.1. Transition to complex vepols.
The Subclass 2.2. Forcing up of vepols.
The Subclass 2.3. Forcing up by the coordination of rhythmics.
The Subclass 2.4. Fepols (in a complex-forced vepols).

The Class 3. Transition to supersystem and to a microlevel.
The Subclass 3.1. Transition to be-systems and to poly-systems.
The Subclass 3.2. Transition to a microlevel.

The Class 4. Standards for detection and measurement of systems.
The Subclass 4.1. Roundabout ways.
The Subclass 4.2. Synthesis of measuring systems.
The Subclass 4.3. Speeding up «measuring» of vepols.
The Subclass 4.4. Transition to fepol's measuring systems.
The Subclass 4.5. A direction of development of measuring systems.

The Class 5. Standards for application of standards.
The Subclass 5.1. Features of introduction of substance.
The Subclass 5.2. Introduction of fields.
The Subclass 5.3. Use of phase transitions.
The Subclass 5.4. Features of application физэффектов.
The Subclass 5.5. Experimental standards.

Usually the system of standards (as well as other tools TRIZ) is used not independently, and in a complex with ARIZ. In this case it's efficiency really high. It is very important, that the text of each standard of G.S.Altshuller started with the warning: «**To not apply before studying ARIZ and the vepol analysis**».