THE MAGIC WORD: 'ABSOLUTELY ROBUST PATENTS'

(A ROUND TABLE LECTURE & DEMONSTRATION & DISCUSSION)

▪ The Structure of this Entire Presentation of the IES

- **Prof. Goddard:** Motivation + Objective for Using the IES: ETCIs' SPL Drafting + Analysis.
  PTOs: in US, EU, J, A, BRIC, … all have basically the same SPL problem.
  Knowledge Creating Economies: in US, EU, J, A, BRIC, …" " " " " " ".
- **Prof. Wegner:** Mathematical Background Required about Foundation of Sciences:
  Broad Understanding of Foundation of Mathematics not Sufficient,
  or of Physics, ... — Emerging Technologies are of different kinds!!!
  They all are based on Metaphysics, none of them is fully rational!!!
- **me (see CV in[9]):** Involuntary Discovery of Problems with IPRs/SPL (instead of Universes).
  Innovative Patent Mathematical Knowledge Technology: Brand New - 2Y
  - *VoIP patent, its inventivity then being incomprehensible to all judges, resulting in ≈ 20 M$ loss, and ≈ 15M$ investment into FSTP-Project (based on the MBA framework): It teaches*
  - *SPL is representable as "sub-physical" exact science, as all its problems are of FFOL, and*
  - *Patents are representable as "legally absolutely robust", i.e. risks ∃ only as to facts (Teva!!!)*

▪ The Structure of Dörte's + my Presentation of the IES

- **Patent Biz today is manufacturer era, IES takes it to industrialization ("inverse Ford")**
  - *Refined Claiming Qualification: Semi-Automatic & Context Sensitive (skipped here)*
  - *Drafting & Analyzing an ETCI in Refined Claiming (being the focus here)*
- **I.e.: What makes '*refined claiming*' and '*inventive concepts*' so fundamentally important?**
  - *Drafting legally (& totally) absolute robust ETCIs, enabling* - *semi-/fully automatic testing.*

'ROBUST PATENTS' — THE UPCOMING BUZZWORD

(A ROUND TABLE LECTURE & DEMONSTRATION & DISCUSSION)

▪ What Does 'Absolutely Robust Patent' Mean?

- Today: Ironic alternative terms/notions are 'armor plate patents', 'gold plate patents', ..
- Within few years 'nonrobust' patent applications worthless.
- The notion '*robust patent*' applies only to this patent's SPL aspects.
- The notion '*robust*' may refer to a patent's legal or also factual (= 'total') SPL aspects.
- The notion '*absolutely*' indicates that judges don't disregard the Supreme Court.
- The notion '*legally/total absolute robust patent*' is binary.
- A patent's '*legally/totally absolute robustness*' is ration- or mathematically provable.
- Any patent is representable '*legally absolute robust*'.
- The specification of a *legally/totally absolute robust patent* is written in natural language, crucial parts thereof being of limited vocabulary&syntax&semantics/pragmatics (in English e.g. limited to 'Innovation Description Language, IDL').
- The specification of a *legally/totally absolute robust patent* avoids Mathematics — it is hidden in e.g. IDL's vocabulary (as in natural language).

▪ What Does 'Metaphysical/Metarational/Rational/Mathematical' Mean?

- Successful cognition-theoretical processes may improve 'human perception' of a statement over stages.
- Starting from its being 'metaphysical' — to 'meta-rational' to 'rational' to 'mathematical',
- This statement's coarsest meaning is: 'nothing is precise but vague' and then 'semiformal' (i.e. a clearly defined part of it is colloquially precise) / and: 'semiprecise' (i.e. all preciseness is mathematized) /and: 'mathematical' (i.e. all of it is mathematized).
- Thus, there are 4 accordingly called kinds of axioms, whereby the *MBA* framework and/or ETCIs are based on rational and/or mathematical axioms.

▪ How Comes that ETCIs may be 'Provable Absolutely Robust'?

- **The *SPL is representable as "sub-physical" exact science, as all its problems are of FFOL*:**

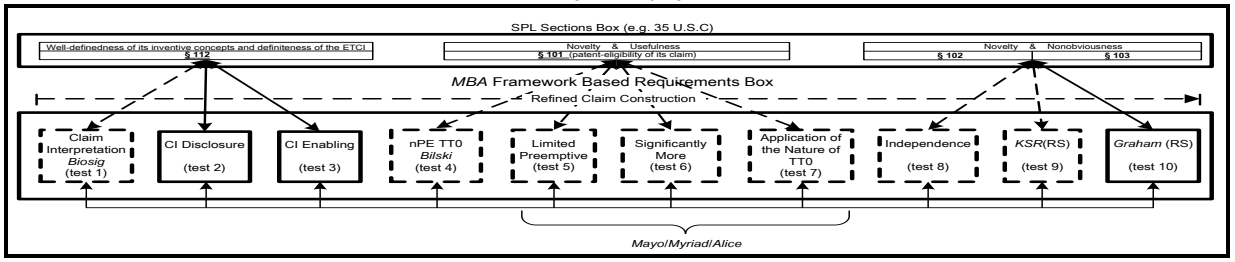

FIG1: ***The Transformation Structure of an ETCI's Classical Claiming to its Refined Claiming, Required by the Alice Analysis. For the Definitions of the testo, 1≤o≤10, see below.***

- **I.e.: The *testo altogether, 1≤o≤10, are nothing else but an FFOL expression*:**

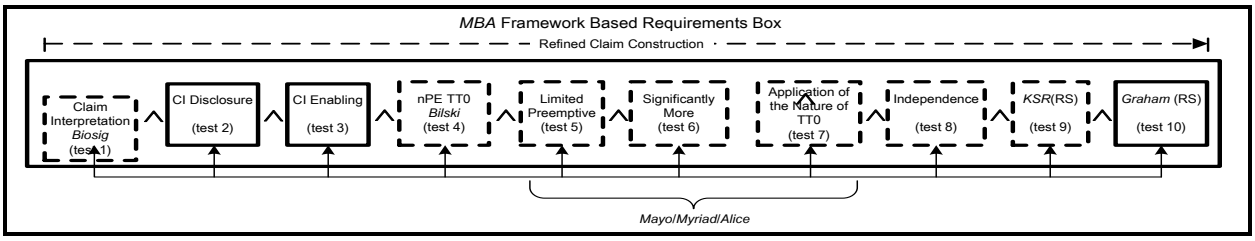

FIG1.1: ***The Meta-Rational test.o's Potential Intermeshing over an ETCI's Generative Set.***

- **The non-sequential conjunction of FIG1.1 is representable as a sequential algorithm of FIG1.2.**

11.) COM(ETCI) is — in its O-/A-/E-level representation based on the prosecution record — precise/exact/complete**?**;
.....(***COM(ETCI)'s claim interpretation is here completed)***
If potentially indefinite, specification conforming definiteness to be established by the inventor/record)
If its specification discloses alternative per se definite TT0s, ETCI's definiteness is to be **determined by the inventor** (*Biosig*)
2.) COM(ETCI) is **lawfully disclosed** (as all crC0nk are lawfully disclosed, just as their peer leC0nk, with $1\leq n\leq N \wedge 1\leq k\leq K^n$)**?**;
3.) COM(ETCI) is **enablingly disclosed** as the implementability $\forall\ 1\leq n\leq N$ A-crC0n is disclosed (embodying all crC0nk $1\leq nk\leq K^n$)**?**;
.....***(COM(ETCI)'s §§ 112 test is here completed)***
4.) COM(ETCI) is comprising an "**nPE TT0**" (*Bilski*)**?**;
5.) COM(ETCI) is "**limited preemptive**" (*Mayo/Myriad/Alice*)**?**;
6.) COM(ETCI) is "**significantly more**" (*Mayo/Myriad/Alice*)**?**;
7.) COM(ETCI) is "**an application of the nature of TT0**" (*Mayo/Myriad/Alice*)**?**;..... ***(COM(ETCI)'s PE-Test is here completed)***
8.) COM(ETCI) is "**independent**"**?**;
9.) COM(ETCI) is "**E-crC(i,n,k)-wise anticipated or nonanticipated** $\forall$E-crC(0,n,k) and $\forall$TT.i ϵRS" (*KSR*)**?**;
10.) COM(ETCI) is of "**semantic height Q^{plcs}>0 over RS**" (Graham)**?**;

FIG1.2: ***The Complete Meta-Rational PE-Test (resp. FSTP-Test) of COM(ETCI) for being Patent-Eligible (and Patentable).***

- **The Meta-Rational Test of FIG1.2 is representable as Rational Test of FIG2.**

11) COM(ETCI) meets *Biosig*, with A-crCS = {A-crCn, $\forall 1\leq n\leq N$} ::= {$\wedge^{1\leq k\leq K^n}$ (crCnk v ncrCnk), $\forall 1\leq n\leq N$} $\wedge$
$\wedge$ E-crCS is (new$\wedge$useful$\wedge$definite$\wedge$complete by **i**)) $\wedge$ (new$\wedge$useful$\wedge$definite by **ii**));
12) See **FIG1.2**
13) See **FIG1.2**
14) CI is comprising an "**nPE TT0**", meaning: $scope(crCS^{TT0}) \neq^{+} \Phi$**?**;
15) CI is "**limited preemptive**", meaning: $(scope(crCS^{TT0}) \neq^{+} \Phi) \wedge (\prod^{TT0} scope(crCS^{CI}) \subseteq scope(crCS^{TT0})) \wedge (crCS^{Alice} \neq \Phi$**?**;
16) CI is – as indicated by "**inC^{Alice}**" – "**significantly more**" than TT0, meaning: $crCS^{Alice} \neq \Phi$**?**;
17) CI is an "**application of the nature of TT0**", meaning: $\prod^{TT0} scope(crCS^{CI}) \subseteq scope(crCS^{TT0})$**?**;
18) CI is "**independent**", meaning: $\forall \epsilon$ {E-crC0nk | $1\leq n\leq N \wedge 1\leq k\leq K^n$} are logically independent of each other**?**;
19) CI is "**E-crC(i,n,k)-wise A or N**", meaning: $\forall \Delta^{i,n,k}$ ::= if (E-crCink $=^{mod(\delta(CI))}$ E-crC0nk) "A"else"N"**?**;
20) CI is of "**semantic height Q^{plcs} over RS**", meaning: Q^{plcs} ::= $\sum^{1\leq n\leq N}$ ($min^{\forall i \in [1,I]}$ II<$\Delta^{i,n,1}$="N", ..., $\Delta^{i,n,Kn}$="N">II) ≥ 1**?**.

FIG2: ***The Complete Rational PE-Test (resp. FSTP-Test) of COM(ETCI) for being Patent-Eligible and Patentable.***