

1	FUZZY LOGIC HARDWARE	46	.Knowledge representation and reasoning technique
2	.Fuzzy neural network	47	..Ruled-based reasoning system
3	.Analog fuzzy computer (e.g., controller)	48	...Having specific pattern matching or control technique
4	.Digital fuzzy computer (e.g., controller)	49	..Blackboard system
5	.Having function generator	50	..Having specific management of a knowledge base
6	..By neural network	51	..Non-monotonic reasoning system
7	.Having function calculator	52	..Reasoning under uncertainty (e.g., fuzzy logic)
8	.Fuzzy inference processing	53	..Frame-based reasoning system
9	.Defuzzification processing	54	..Analogical reasoning system
10	PLURAL PROCESSING SYSTEMS	55	..Semantic network (e.g., conceptual dependency, fact based structure)
11	HAVING PARTICULAR USER INTERFACE	56	..Predicate logic or predicate calculus
12	MACHINE LEARNING	57	..Propositional logic
13	.Genetic algorithm and genetic programming system	58	..Temporal logic
14	ADAPTIVE SYSTEM	59	.Creation or modification
15	NEURAL NETWORK	60	..Expert system shell or tool
16	.Learning task	61	..Knowledge acquisition by a knowledge processing system
17	..Approximation	62	MISCELLANEOUS
18	..Association		
19	..Constraint optimization problem solving		
20	..Classification or recognition		
21	..Prediction		
22	..Signal processing (e.g., filter)		
23	..Control		
24	..Beamforming (e.g., target location, radar)		
25	.Learning method	900	FUZZY LOGIC
26	.Structure	902	APPLICATION USING AI WITH DETAIL OF THE AI SYSTEM
27	..Architecture	903	.Control
28	...Modular	904	..Manufacturing or machine (e.g., agricultural machinery, machine tool)
29	...Lattice	905	..Vehicle or aerospace
30	...Recurrent	906	..Process plant
31	..Multilayer feedforward	907	...Power plant
32	...Single-layer	908	..Electronic or computer (internal or network) circuit
33	..Semiconductor neural network	909	..Communication
34	..Hybrid network (i.e., analog and digital)	910	..Elevator
35	...Using pulse modulation	911	.Nonmedical diagnostics
36	...Having multiplying digital-to-analog converter	912	..Manufacturing or machine (e.g., agricultural machinery, machine tool)
37	...Having digital weight	913	..Vehicle or aerospace
38	..Analog neural network	914	..Process plant
39	..Modifiable weight	915	...Power plant
40	..Radiant energy neural network	916	..Electronic or computer (internal or network) circuit
41	..Digital neural network		
42	...Parallel connection		
43	...Digital neuron processor		
44	.Neural simulation environment		
45	KNOWLEDGE PROCESSING SYSTEM		
			<u>CROSS-REFERENCE ART COLLECTIONS</u>

917	..Communication	FOR 108	....Connectionist expert system (395/22)
918	..Elevator	FOR 109	....Training (i.e., programming or learning) (395/23)
919	..Designing, planning, programming, CAD, CASE	FOR 110	....Structure (395/24)
920	..Simulation	FOR 111	.....Radiant energy type (e.g., optical) (395/25)
921	..Layout (e.g., circuit, construction)	FOR 112	.....Sequential processor (395/26)
922	..Computer program preparation	FOR 113	.....Including a digital or binary element (395/27)
923	..Construction	FOR 114	..Expert system (395/50)
924	..Medical	FOR 115	...Deduction, control, or search techniques (395/51)
925	..Business	FOR 116	....Forward or backward chaining (395/52)
926	..Time management	FOR 117	....Blackboarding (395/53)
927	..Education or instruction	FOR 118	....Knowledge base accessing (e.g., DBMS, table) (395/54)
928	..Earth science	FOR 119	....Truth maintenance system (TMS) (395/55)
929	..Geological (e.g., seismology)	FOR 120	...Knowledge representation (395/60)
930	..Environment	FOR 121	...For inexact knowledge (e.g., fuzzy logic) (395/61)
931	...Weather	FOR 122	....Object (i.e., object-attribute-value), frame and slot, or script (395/62)
932	..Mathematics, science, or engineering	FOR 123	....Semantic network (i.e., conceptual dependency, fact based structure) (395/63)
933	..Law, law enforcement, or government	FOR 124	....Rete network or meta-knowledge (395/64)
934	..Information retrieval or information management	FOR 125	....Inheritance (395/65)

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

FOR 100 **ARTIFICIAL INTELLIGENCE (395/1)**
 FOR 101 ..Fuzzy logic hardware (395/3)
 FOR 102 ..Knowledge processing (395/10)
 FOR 103 ..Plural processing systems (395/11)
 FOR 104 ..Graphical or natural language user interface (395/12)
 FOR 105 ..Genetic algorithm (395/13)
 FOR 106 ..Trainable (i.e., adaptive) system (395/20)
 FOR 107 ...Neural network (395/21)

FOR 108Connectionist expert system (395/22)
 FOR 109Training (i.e., programming or learning) (395/23)
 FOR 110Structure (395/24)
 FOR 111Radiant energy type (e.g., optical) (395/25)
 FOR 112Sequential processor (395/26)
 FOR 113Including a digital or binary element (395/27)
 FOR 114 ..Expert system (395/50)
 FOR 115 ...Deduction, control, or search techniques (395/51)
 FOR 116Forward or backward chaining (395/52)
 FOR 117Blackboarding (395/53)
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 FOR 120 ...Knowledge representation (395/60)
 FOR 121 ...For inexact knowledge (e.g., fuzzy logic) (395/61)
 FOR 122Object (i.e., object-attribute-value), frame and slot, or script (395/62)
 FOR 123Semantic network (i.e., conceptual dependency, fact based structure) (395/63)
 FOR 124Rete network or meta-knowledge (395/64)
 FOR 125Inheritance (395/65)
 FOR 126Predicate logic or predicate calculus (395/66)
 FOR 127Propositional logic (395/67)
 FOR 128History base (395/68)
 FOR 129 ...Creation or modification of an expert system (395/75)
 FOR 130Expert system shell or tool (395/76)
 FOR 131Learning or knowledge acquisition by the expert system (395/77)