Fig. 1

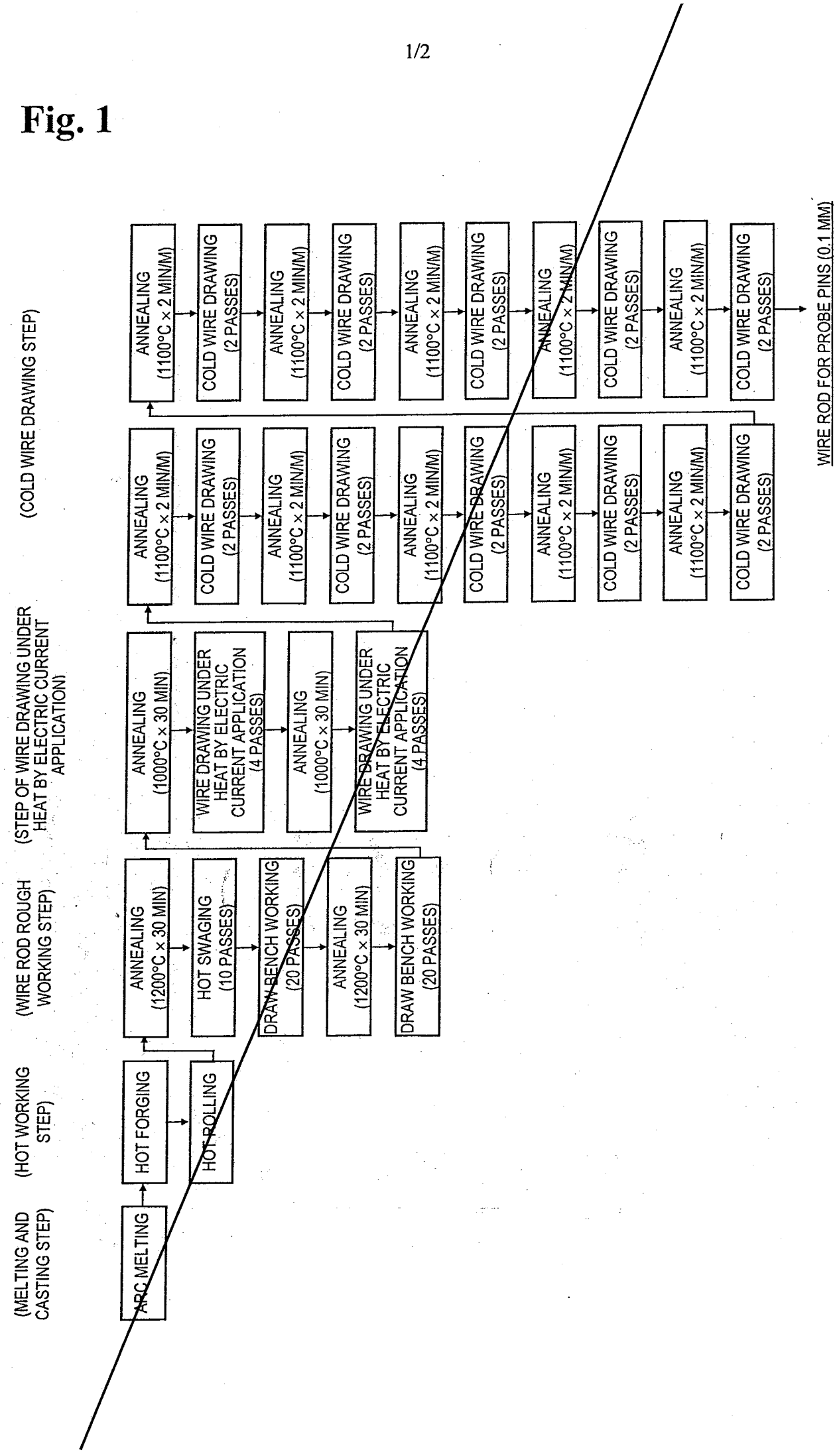

(MELTING AND CASTING STEP)
(HOT WORKING STEP)
(WIRE ROD ROUGH WORKING STEP)
(STEP OF WIRE DRAWING UNDER HEAT BY ELECTRIC CURRENT APPLICATION)
(COLD WIRE DRAWING STEP)
ARC MELTING
HOT FORGING
HOT ROLLING
ANNEALING (1200°C × 30 MIN)
HOT SWAGING (10 PASSES)
DRAW BENCH WORKING (20 PASSES)
ANNEALING (1200°C × 30 MIN)
DRAW BENCH WORKING (20 PASSES)
ANNEALING (1000°C × 30 MIN)
WIRE DRAWING UNDER HEAT BY ELECTRIC CURRENT APPLICATION (4 PASSES)
ANNEALING (1000°C × 30 MIN)
WIRE DRAWING UNDER HEAT BY ELECTRIC CURRENT APPLICATION (4 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
WIRE ROD FOR PROBE PINS (0.1 MM)

Fig. 2

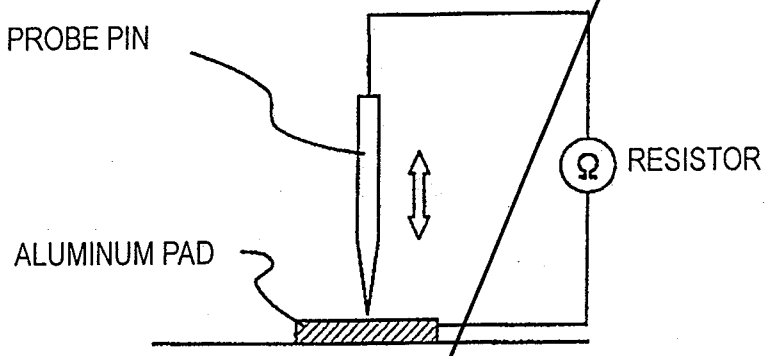


Fig. 1

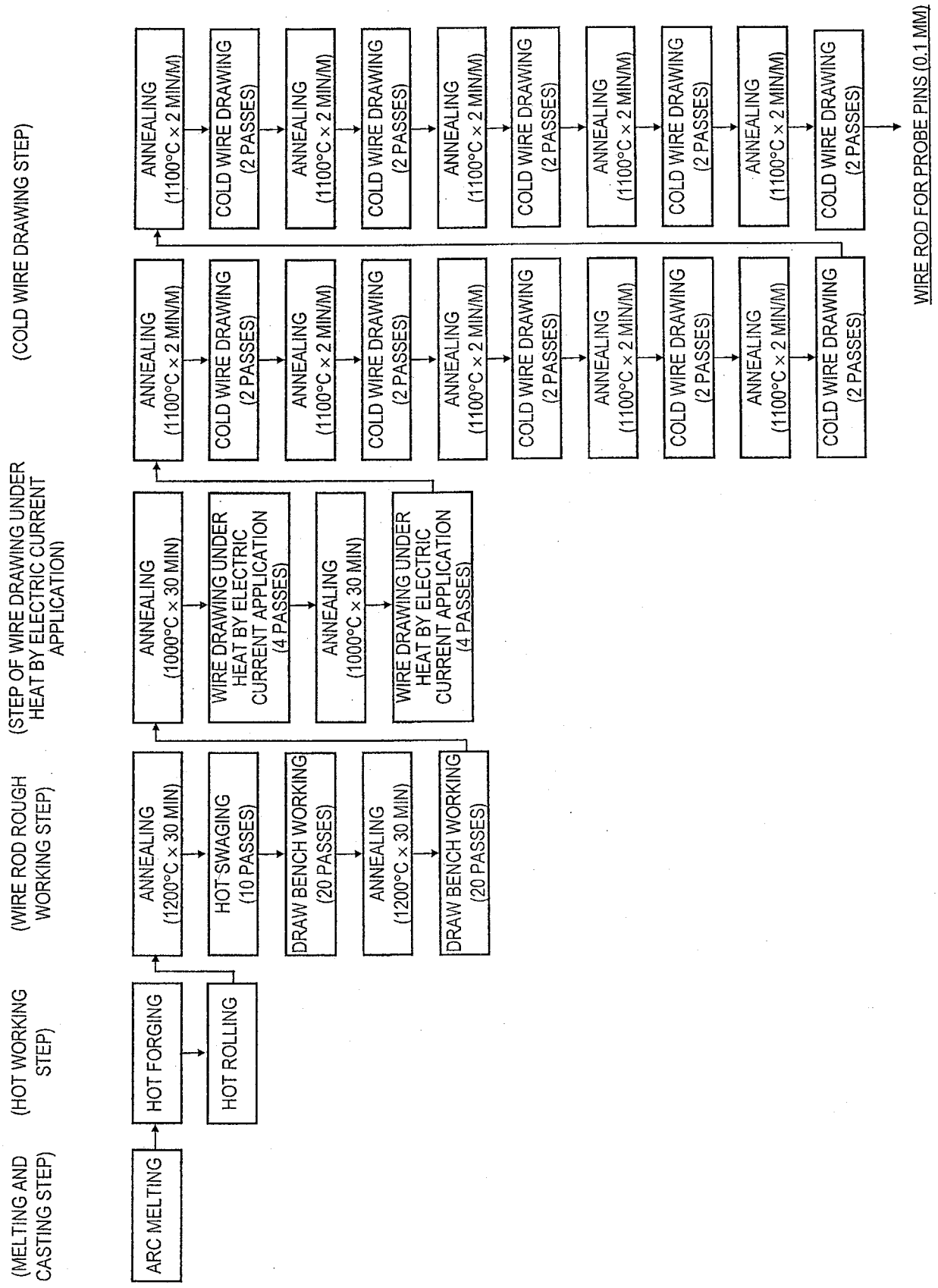

(MELTING AND CASTING STEP)
(HOT WORKING STEP)
(WIRE ROD ROUGH WORKING STEP)
(STEP OF WIRE DRAWING UNDER HEAT BY ELECTRIC CURRENT APPLICATION)
(COLD WIRE DRAWING STEP)
ARC MELTING
HOT FORGING
HOT ROLLING
ANNEALING (1200°C × 30 MIN)
HOT SWAGING (10 PASSES)
DRAW BENCH WORKING (20 PASSES)
ANNEALING (1200°C × 30 MIN)
DRAW BENCH WORKING (20 PASSES)
ANNEALING (1000°C × 30 MIN)
WIRE DRAWING UNDER HEAT BY ELECTRIC CURRENT APPLICATION (4 PASSES)
ANNEALING (1000°C × 30 MIN)
WIRE DRAWING UNDER HEAT BY ELECTRIC CURRENT APPLICATION (4 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
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ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
ANNEALING (1100°C × 2 MIN/M)
COLD WIRE DRAWING (2 PASSES)
WIRE ROD FOR PROBE PINS (0.1 MM)

Fig. 2

