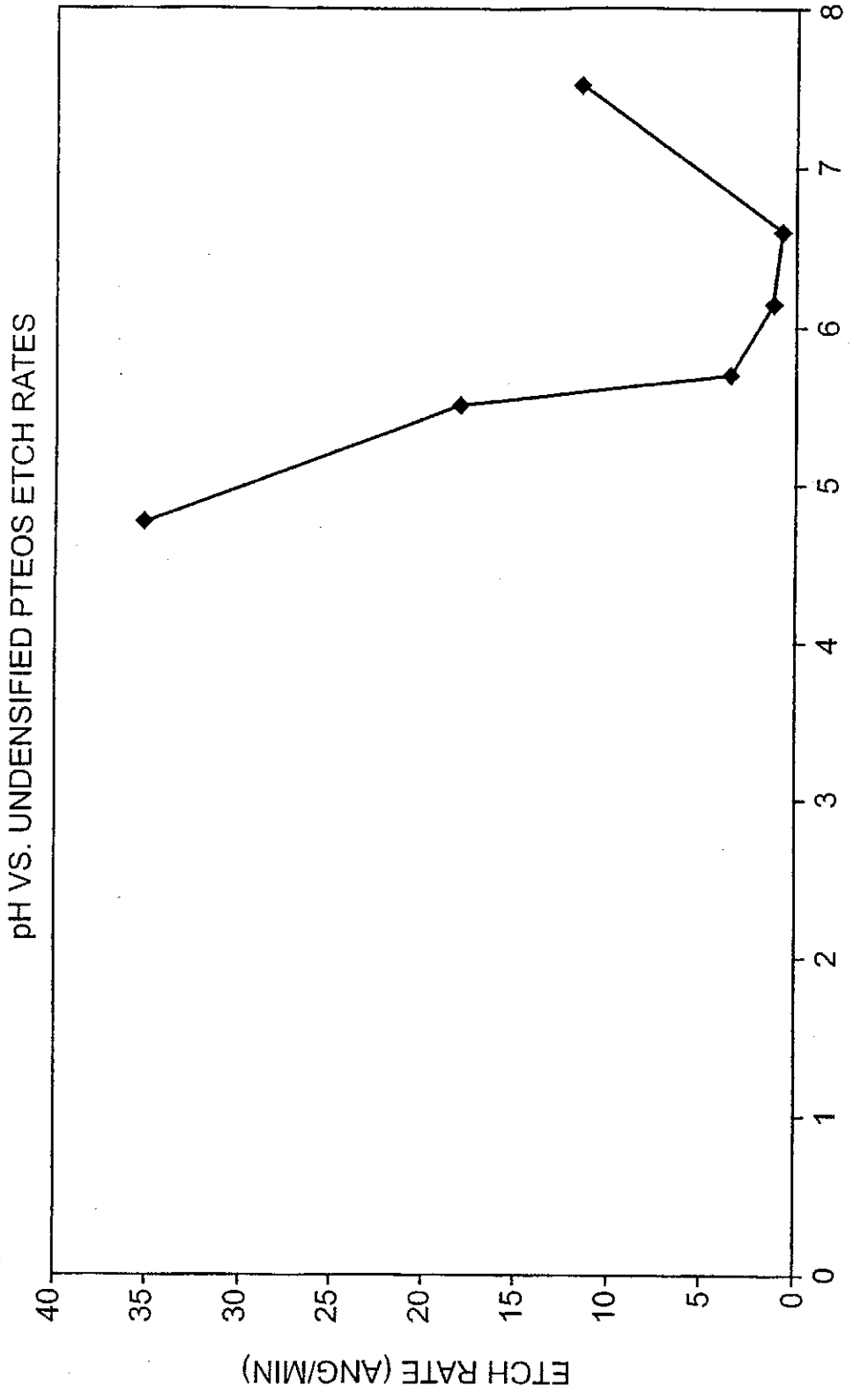

pH VS. UNDENSIFIED PTEOS ETCH RATES
ETCH RATE (ANG/MIN)
0
5
10
15
20
25
30
35
40
0
1
2
3
4
5
6
7
8
pH

FIG. 1

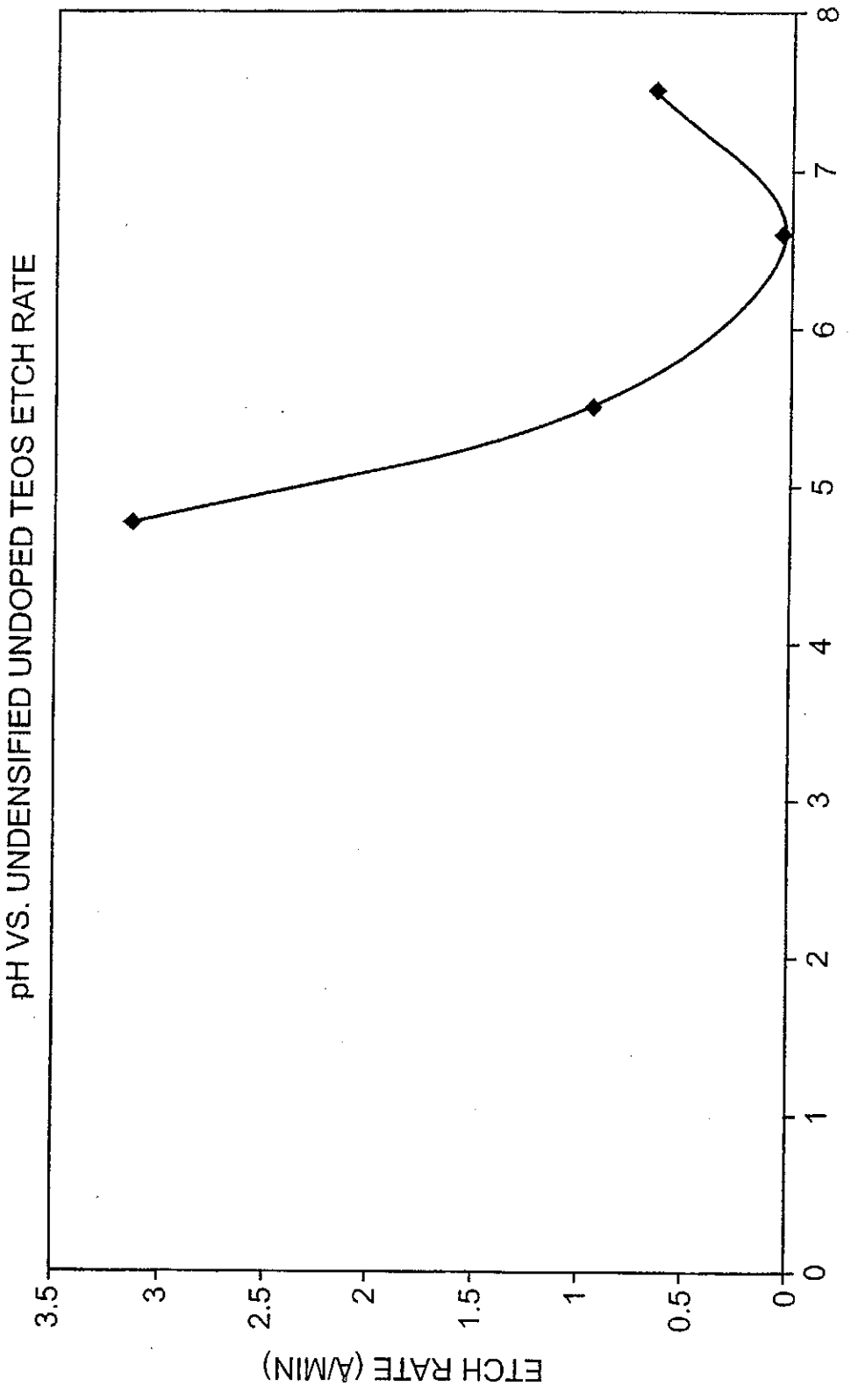

pH VS. UNDENSIFIED UNDOPED TEOS ETCH RATE
ETCH RATE (Å/MIN)
3.5
3
2.5
2
1.5
1
0.5
0
0
1
2
3
4
5
6
7
8
pH

FIG. 2

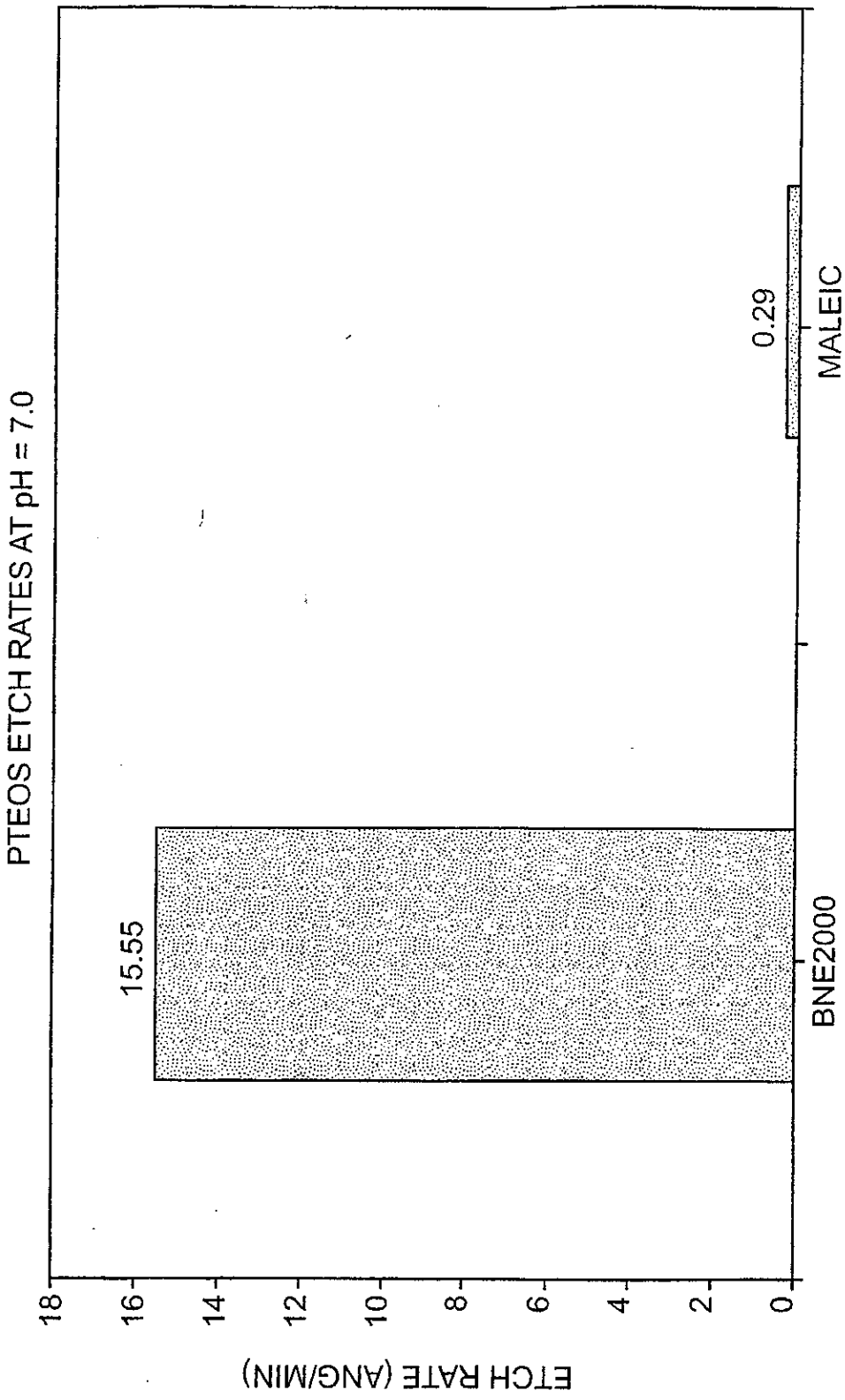

PTEOS ETCH RATES AT pH = 7.0
ETCH RATE (ANG/MIN)
0
2
4
6
8
10
12
14
16
18
15.55
0.29
BNE2000
MALEIC
BUFFER

FIG. 3

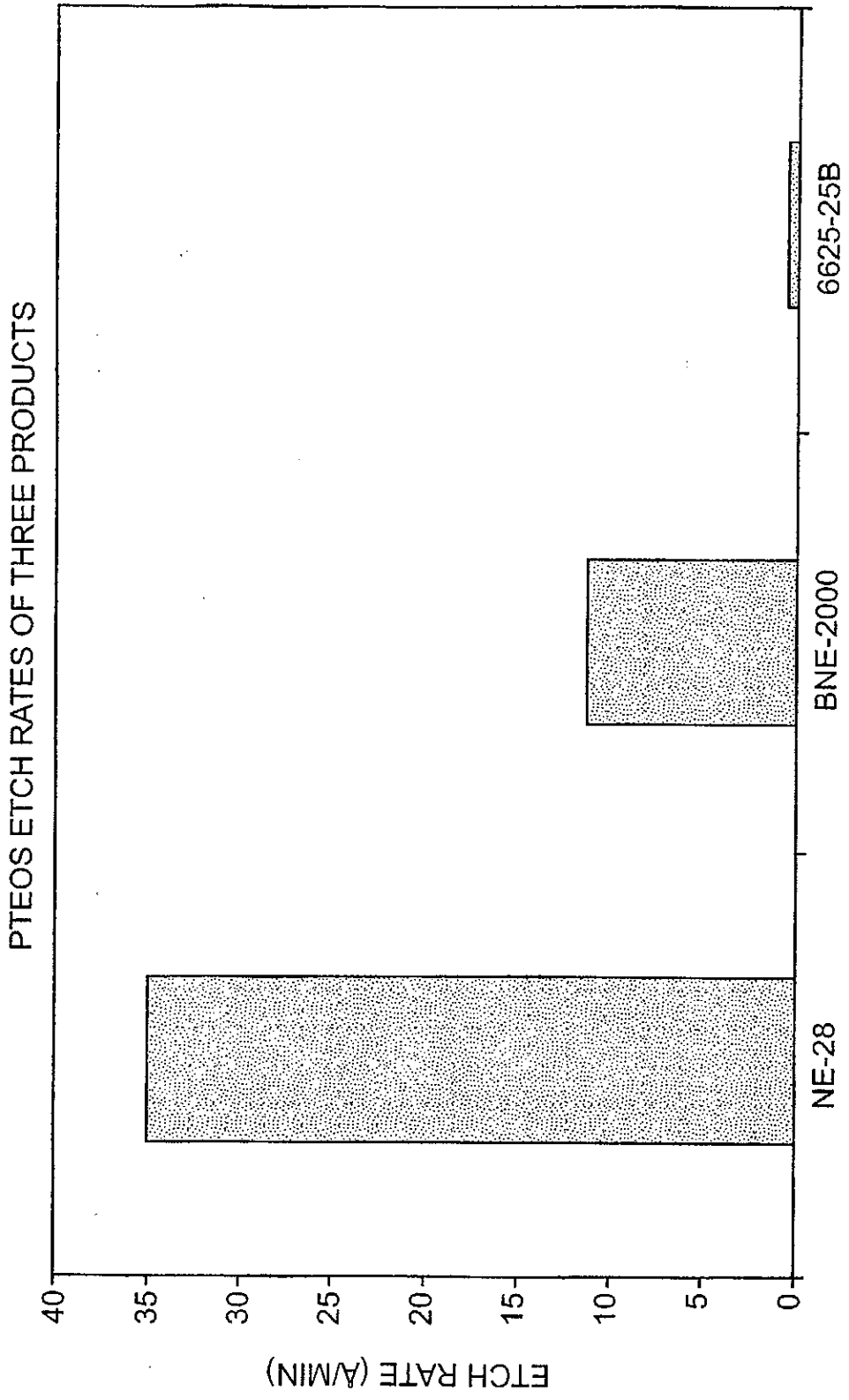
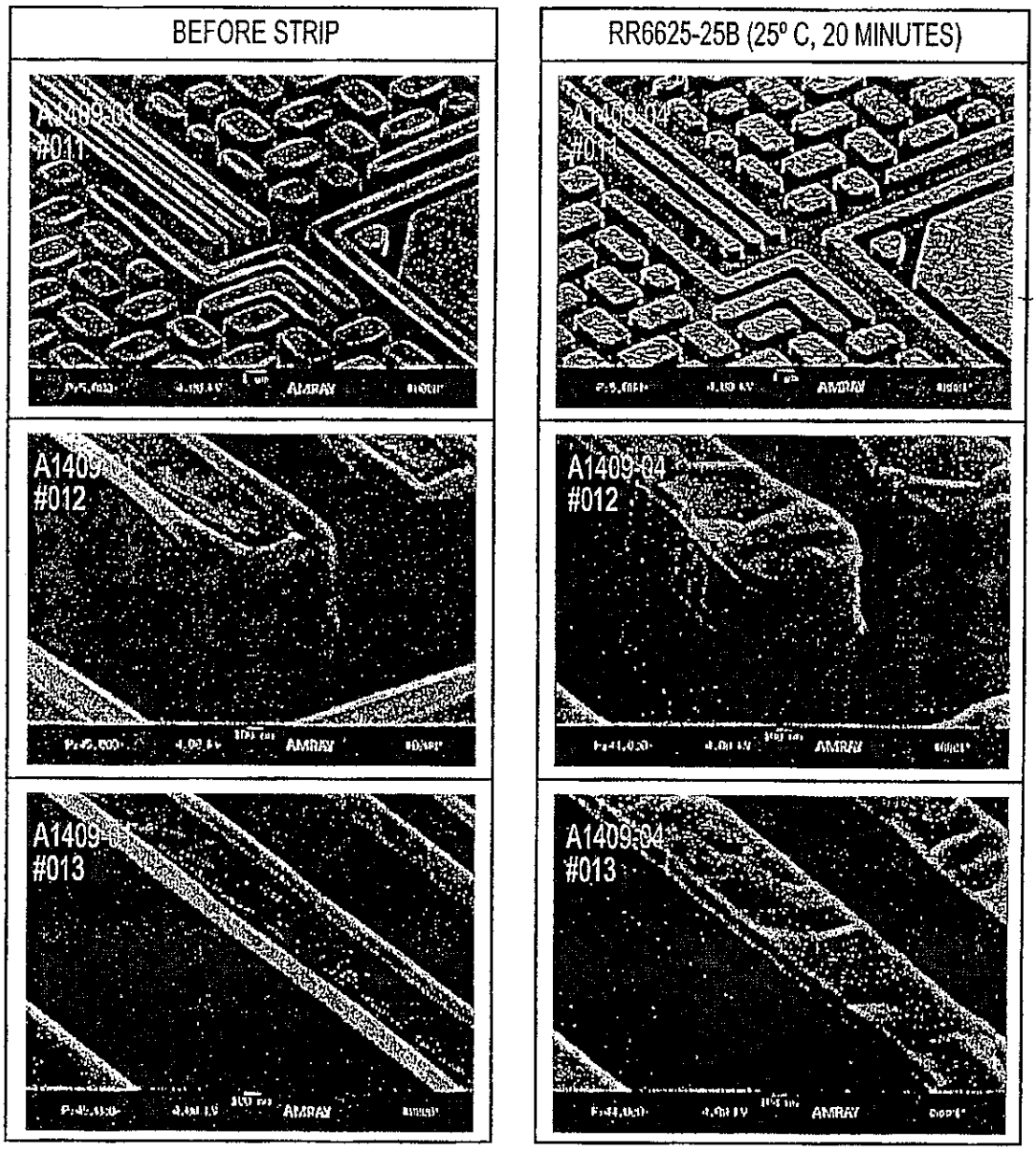

PTEOS ETCH RATES OF THREE PRODUCTS
ETCH RATE (Å/MIN)
0
5
10
15
20
25
30
35
40
NE-28
BNE-2000
6625-25B
STRIPPER NAME

FIG. 4

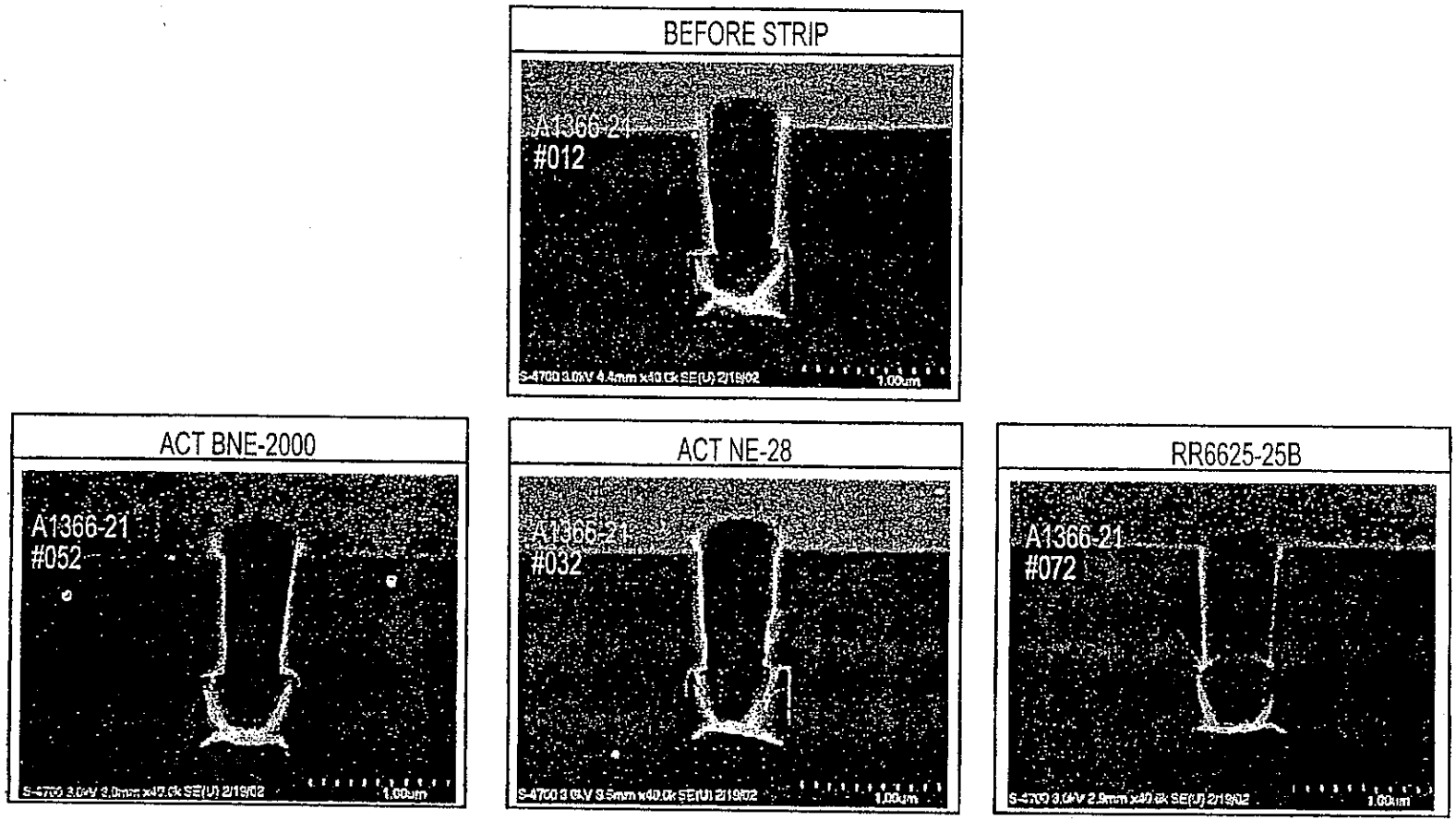
BEFORE STRIP AND AFTER A RR6625-25B PROCESS



RR6625-25B (25°C, 20 MIN) → DI WATER (AMBIENT, 3 MIN) → N_2 BLOW DRY

FIG. 5

COMPARISON OF THREE FLOURIDE-CONTAINING STRIPPERS ON A VIA



ACT STRIPPER (25°C, 20 MIN) → DI WATER (AMBIENT, 3 MIN) → N_2 BLOW DRY

FIG. 6