Case 1:16-cv-00290-MN Document 45-8 Filed 11/22/17 Page 1 of 8 PageID #: 13

# EXHIBIT H



## Case 1:16xcur00200-VSP 6,398,004eno 45i Visitilere en 126, 1Ragev 2888 (Ragel) #: 1360

1. (A) A barrier	film preventing	diffusion of	copper from (I	B) a copper	wiring layer	r formed on	ı (C) a semi	conductor s
comprising								
	_							

(D) a multi-layered structure of (D1) first and (D2) second films,

(D1) said first film being composed of (G) crystalline metal containing nitrogen therein,

(D2) said second film being composed of (H) amorphous metal nitride,

(A) said barrier film being constituted of (I) common metal atomic species,

(D1) said first film being formed on (D2) said second film,

(D1) said first film in direct contact with (D2) said second film,

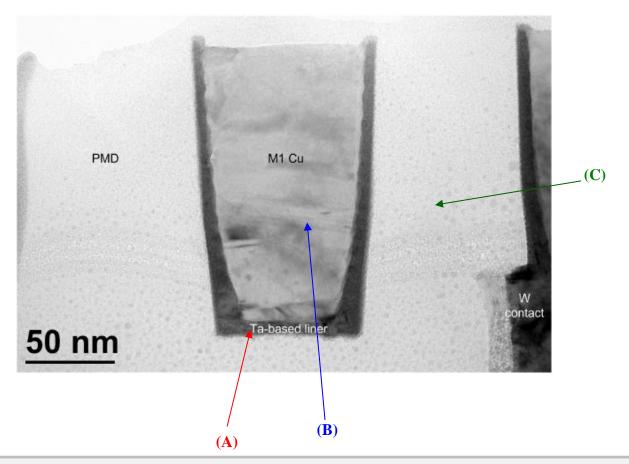
(D1) said first film (J) containing nitrogen in a smaller content than that of (D2) said second film.



# Case 1:16xcup00200-Wsp 6,3ss;324eno.45i&isi6ilectch1/212/12s, 1Ragev3sss&1Raget0 #: 1361

Claim 1

(A) A barrier film preventing diffusion of copper from (B) a copper wiring layer formed on (C) a semiconductor subcomprising

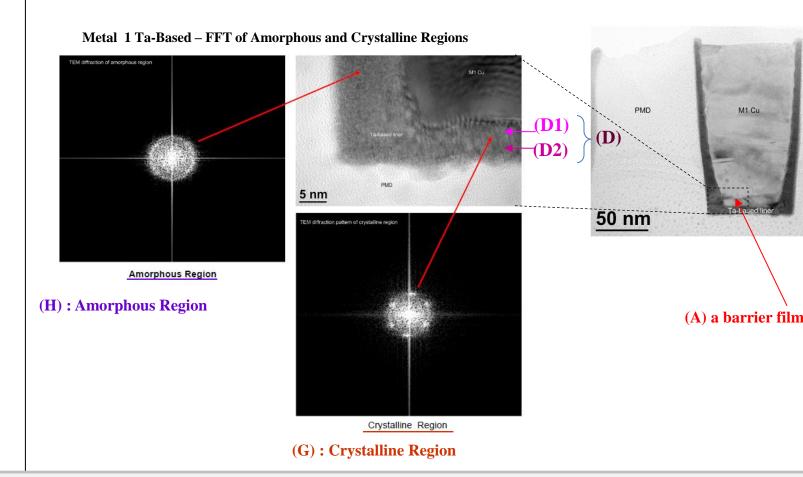




## Case 1:16xcur00200-VKY 61398;304eno 445i8isi6ilerdelhl/22/128, 1Ragev489881RageUD #: 1362

Claim 1

- (D) a multi-layered structure of (D1) first and (D2) second films,
- (D1) said first film being composed of (G) crystalline metal containing nitrogen therein,
- (D2) said second film being composed of (H) amorphous metal nitride,

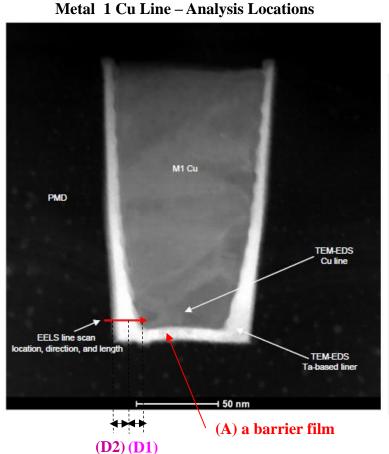


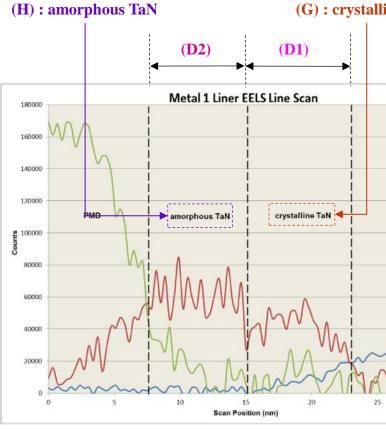


## Case 1:16xcvr80280-V89 6,388,384ero 45i8i5ilectelhla2618, 1Ragev58881Raget0 #: 1363

### Claim 1

- (D) a multi-layered structure of (D1) first and (D2) second films,
- (D1) said first film being composed of (G) crystalline metal containing nitrogen therein,
- (D2) said second film being composed of (H) amorphous metal nitride,





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