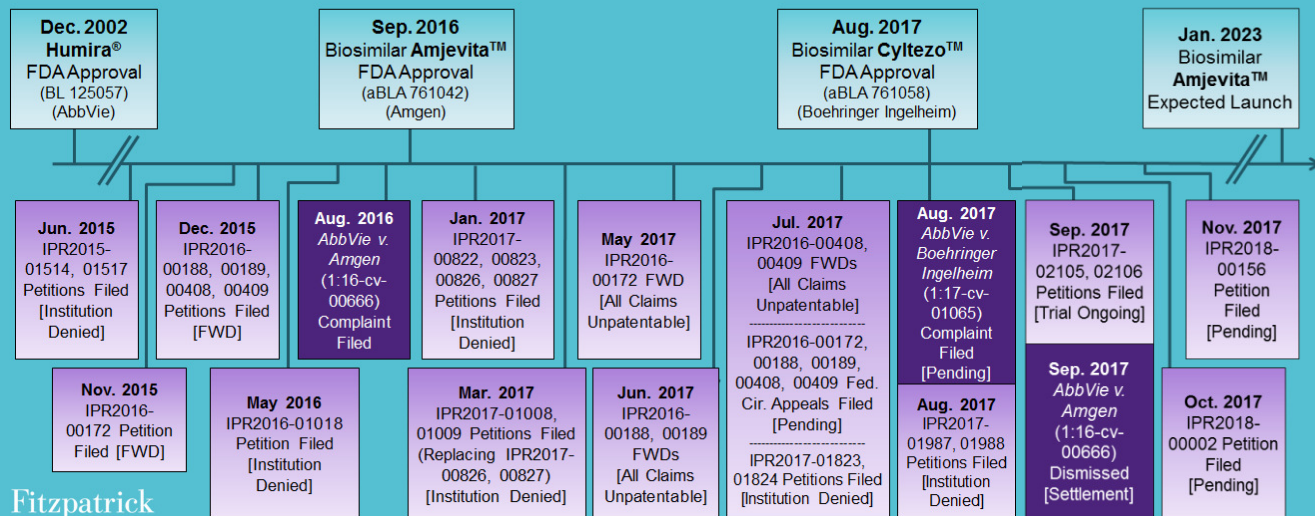
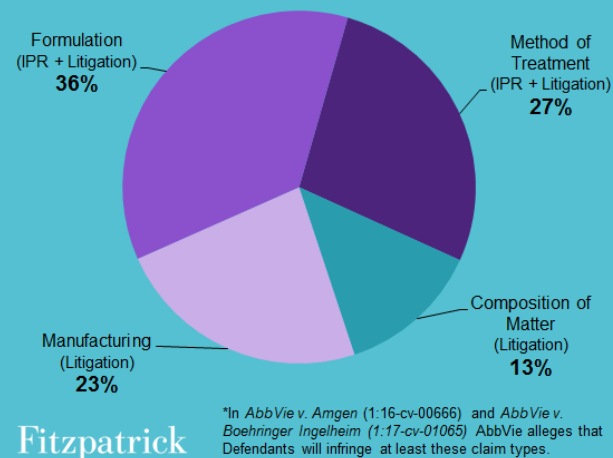


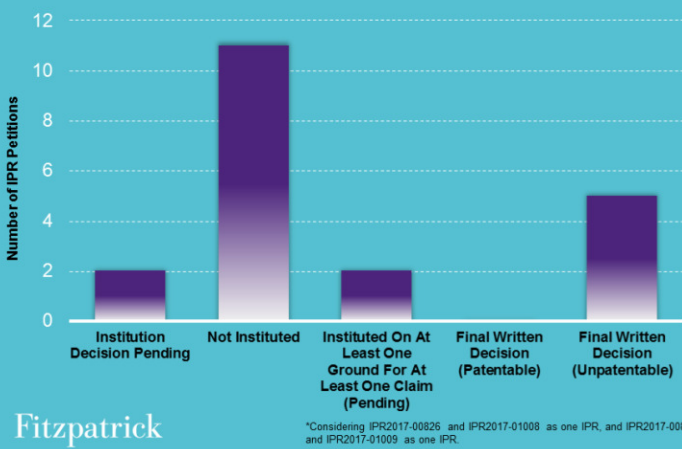
## Adalimumab Timeline



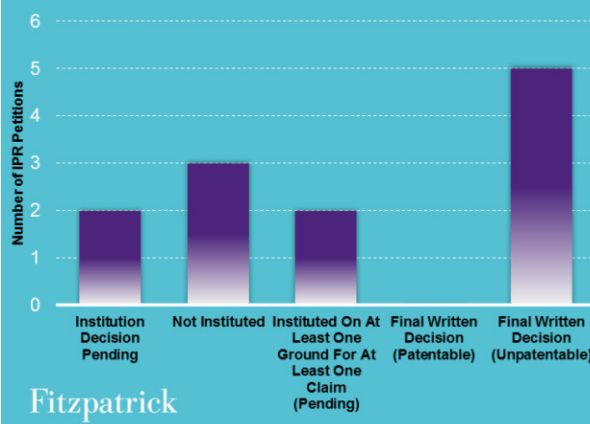
## Adalimumab Challenged Claim Types in IPR and Litigation\*



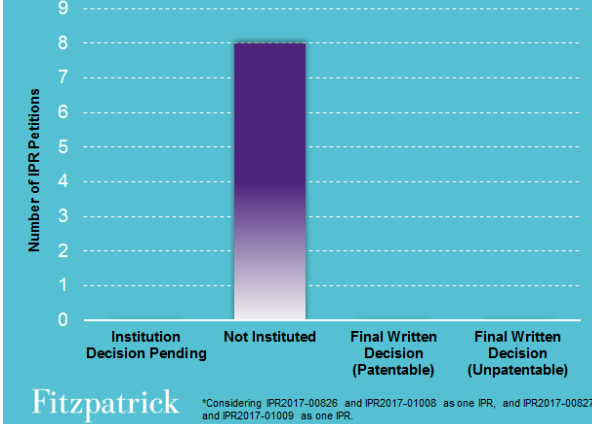
## Adalimumab IPR Status



## Adalimumab Method of Treatment Claim IPR Status



## Adalimumab Formulation Claim IPR Status



FWD = Final Written Decision

**Technology:** Adalimumab is a human monoclonal antibody that inhibits tumor necrosis factor alpha (TNF $\alpha$ ). TNF $\alpha$  is a cytokine cell signaling protein that is involved in the inflammatory response that occurs in autoimmune diseases.

	<i>AbbVie v. Amgen</i> 1:16-cv-00666 (D. Del.) Dismissed (Settled)	<i>AbbVie v. Boehringer Ingelheim</i> 1:17-cv-01065 (D. Del.)	<i>Amgen v. AbbVie</i> IPR2015-01514 Institution denied	<i>Amgen v. AbbVie</i> IPR2015-01517 Institution denied
8,663,945	x			
8,911,964	x			
8,916,157	x		x	
8,916,158				x
8,926,975		x		
8,961,973	x			
8,986,693	x			
9,018,361		x		
9,090,867		x		
9,096,666	x	x		
9,220,781	x			
9,255,143		x		
9,266,949		x		
9,272,041	x	x		
9,359,434	x			
9,365,645	x			
9,546,212		x		
	<i>Coherus v. AbbVie</i> IPR2016-00172 FWD: All claims unpatentable; Appeal pending	<i>Boehringer Ingelheim v. AbbVie</i> IPR2016-00408, IPR2016-00409 FWD: All claims unpatentable; Appeals pending	<i>Coherus v. AbbVie</i> IPR2016-00188 FWD: All claims unpatentable; Appeal pending	<i>Coherus v. AbbVie</i> IPR2016-00189 FWD: All claims unpatentable; Appeal pending
8,889,135	x	x		
9,017,680			x	
9,073,987				x

	<i>Coherus v. AbbVie</i> IPR2017-00822, IPR2017-00823 Institution denied	<i>Coherus v. AbbVie</i> IPR2017-00826 / IPR2017-01008 Institution denied	<i>Coherus v. AbbVie</i> IPR2017-00827 / IPR2017-01009 Institution denied
9,085,619	x	x	x
	<i>Coherus v. AbbVie</i> IPR2016-01018 Institution denied	<i>Sandoz v. AbbVie</i> IPR2017-01823 Institution denied	<i>Sandoz v. AbbVie</i> IPR2017-01824 Institution denied; Request for rehearing pending
8,802,100		x	
9,114,166	x		
9,512,216			x
	<i>Sandoz v. AbbVie</i> IPR2017-01987 Institution denied	<i>Sandoz v. AbbVie</i> IPR2017-01988 Institution denied	<i>Sandoz v. AbbVie</i> IPR2017-02105 Instituted; pending
8,911,737	x		
8,974,790		x	
9,090,689			x
	<i>Sandoz v. AbbVie</i> IPR2017-02106 Instituted; pending	<i>Sandoz v. AbbVie</i> IPR2018-00002 Awaiting institution decision	<i>Sandoz v. AbbVie</i> IPR2018-00156 Awaiting institution decision
9,067,992	x		
9,187,559			x
9,512,216		x	

FWD = Final Written Decision