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(54) Title: MODIFIED LONG FIBER REINFORCED POLYMERIC COMPOSITE FLAKES HAVING PROGRESSIVE ENDS, METHODS OF PROVIDING THE SAME, AND ARTICLES FORMED THEREFROM HAVING ENHANCED STRENGTH AND IMPACT RESISTANCE

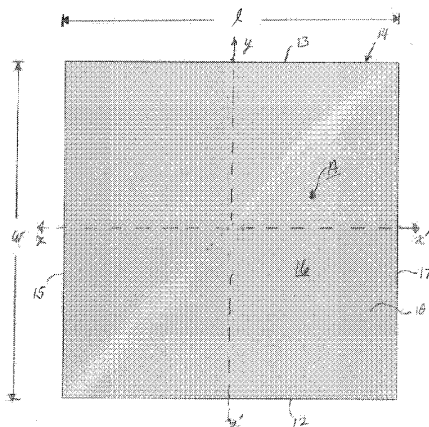


FIG. 1  
PRIOR ART

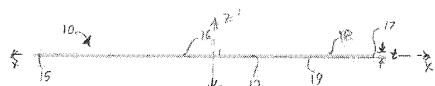


FIG. 1A  
PRIOR ART

(57) Abstract: Described are a method of providing a modified polymeric composite flake for use in forming articles, articles formed therefrom and modified polymeric composite flakes, wherein resulting articles formed from such modified polymeric composite flakes have enhanced tensile strength and impact resistance, particularly at high velocity, as well as a method for increasing the average tensile strength and/or the impact resistance of an article formed from polymeric composites by using the modified polymeric composite flakes herein. The method includes providing a composite having at least one polymeric matrix material and long reinforcing fibers of a first fiber material extending through the polymeric matrix material; and forming from the composite at least one flake, wherein the at least one flake comprises an exterior surface having an exterior edge, a portion of the exterior edge being configured to provide at least one exterior edge feature to the exterior edge of the at least one flake thereby providing a modified polymeric composite flake.

**Declarations under Rule 4.17:**

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