

Title (en)

Thermoplastic twines and method and apparatus for their manufacture.

Title (de)

Thermoplastisches Bindegarn und Verfahren und Vorrichtung zu seiner Herstellung.

Title (fr)

Ficelle thermoplastique et procédé et appareil pour sa fabrication.

Publication

**EP 0009924 A1 19800416 (EN)**

Application

**EP 79301995 A 19790925**

Priority

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- US 94688978 A 19780928

Abstract (en)

A twine comprised of a core bundle of synthetic monofilaments (4) twisted along the length of the twine and a synthetic binder material (18) in thin band form spirally wound about the monofilaments in a direction opposite to the core bundle twist. A method of producing such twine comprises, passing a bundle of thermoplastic monofilaments (4) continuously along a path, imparting a false twist of 3 to 30 turns per linear foot to said bundle, applying a compatible molten thermoplastic spiral band (18) to said twisted bundle as a spiral band to fuse said spiral band to the outer monofilaments (16), and recovering a twine having a portion of said false twist captured therein by fusion of the spiral band thereon. The apparatus for obtaining this twine consists of a path along which a bundle (4) of thermoplastic synthetic monofilaments having a false twist therein can be continuously moved, means (5) to direct a molten compatible thermoplastic onto said twisted bundle to form one or more spiral bands (18) on said bundle and to fuse the outer monofilaments (16) of the bundle to the spiral band (18) and means (8) for imparting a false twist to said bundle at a point prior to said directing means.

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Citation (search report)

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