



G00002

TOOTHED BELT AND METHOD OF PRODUCTION THEREOF

ABSTRACT OF THE DISCLOSURE



162162

5 The toothed belt is comprised of a belt-body made of a
thermoplastic elastomer, cord serving as a tensioning member, and
cover fabric covering the belt tooth surfaces. The production
method of the toothed belt of the invention comprises forming a
preshaped article of a thermoplastic elastomer, assembling the
1 cover fabric, cord, and the preshaped article in a forming mold,
press heating the assembly from the outside, and heating it from
the inside of the mold at a temperature exceeding the
crystallization temperature of the thermoplastic elastomer and
less than the melting point of the thermoplastic elastomer for
a sufficient time so as to form teeth. Further, a resin film having
higher melting point than that of a thermoplastic elastomer,
arranged at the outside of a cover fabric prevents seepage of the
belt-body material during the molding, and protects the toothed
belt after production.

Fig. 3