

Title (en)

Low mass heat and pressure fuser.

Title (de)

Kleinmassige Wärme-Drück-Schmelzfixiereinrichtung.

Title (fr)

Appareil de fixage par fusion de faible masse, utilisant la chaleur et la pression.

Publication

**EP 0181723 A1 19860521 (EN)**

Application

**EP 85307764 A 19851028**

Priority

US 66659684 A 19841031

Abstract (en)

The appts. includes a member (102) forming a nip with the belt (80). Simultaneously pressure is applied to the belt and a member (104) remote from the pressure applying member, for elevating the belt temp. Thus, toner images are simultaneously subjected to heat and pressure as a substrate passes through the nip. The temp. elevating member is in contact with the belt and pref. includes a rotatable, low mass tubular member (104) with an internally disposed source of energy (106). The pressure applying member pref. comprises a non-rotating mandrel to limit deflection of the belt. The belt pref. comprises an electro-formed nickel base having a conformable layer e.g. of silicon rubber on one side and a low friction coating e.g. of PTFE on its other side contacting the mandrel (102).

IPC 1-7

**G03G 15/20**

IPC 8 full level

**G03G 15/20** (2006.01)

CPC (source: EP)

**G03G 15/2064** (2013.01); **G03G 2215/2016** (2013.01); **G03G 2215/2038** (2013.01)

Citation (search report)

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- [X] GB 2050943 A 19810114 - PITNEY BOWES INC
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