

Title (en)

Pin seamed papermaker's press felt with laminated base fabric having low melt material machine directions yarns

Title (de)

Papiermacherfilz mit Doppellösennaht und laminiertem Grundgewebe welches niedrig schmelzende Kettfäden enthält

Title (fr)

Feutre de presse de machine à papier agraffé par broche et comprenant des files de chaîne de matériau fusible à basse température dans le tissu stratifié

Publication

EP 1270807 B1 20060111 (EN)

Application

EP 02013714 A 20020620

Priority

US 88543001 A 20010620

Abstract (en)

[origin: EP1270807A1] A press felt (14) that can have a reduced tendency to fray at the seam cut (48) includes: a paper side batt layer (52); a machine side batt layer (50); and a base fabric layer (22) sandwiched between the paper side batt layer (52) and the machine side batt layer (50). The base fabric layer comprises a first fabric (24) and a second fabric (36). The first fabric (24) includes machine direction yarns (26) and cross machine direction yarns (28) interwoven with the machine direction yarns (26). The first fabric (24) has first and second ends (29a,29b) with loops (30), wherein the loops (30) of the first end (29a) are interdigitated with the loops (30) of the second end (29b), and the loops (30) of said first and second ends (29a,29b) receive a pin (34) to form the first fabric (24) into an endless belt having a seam. The second fabric (36) is formed into an endless belt overlying the first fabric (24) and includes machine direction yarns and cross machine direction yarns (40) interwoven with the machine direction yarns (38), wherein the machine direction yarns (38) are formed of a low melt material. In this configuration, the low melt machine direction yarns (40) of the second fabric (36) may have a reduced tendency to fray at the seam cut (48) during prolonged operation. <IMAGE>

IPC 8 full level

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CPC (source: EP KR)

D03D 3/04 (2013.01 - EP); **D21F 7/08** (2013.01 - KR); **D21F 7/083** (2013.01 - EP); **D21F 7/10** (2013.01 - EP)

Cited by

EP1643024A3; US7455752B2; US7922868B2; US2022228318A1; US8123910B2; US9415564B2; US11920303B2; WO2020224834A1

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