

Title (en)
Conveyor belt for high temperature objects

Title (de)
Förderband für Hochwärme-Körper

Title (fr)
Bande transporteuse d'objets a haute temperature

Publication
EP 0962565 A1 19991208 (FR)

Application
EP 98490013 A 19980526

Priority
EP 98490013 A 19980526

Abstract (en)
Layers (2 - 5) are secured together by binding threads (6, 7). The external layer (2, 3) and binding threads are formed from intimately mixed fibers comprising stainless steel and material carbonizing at high temperature. Threads of the internal layer (4, 5) have high mechanical- and temperature resistance. Preferred features: The mixture comprises 50-90 wt% stainless steel fiber and 10 - 50 wt% carbonizing fiber. Threads of internal layers commence as para-amide. Threads forming the external layer and/or the internal layer are reinforced by continuous metal filaments or other filaments with high mechanical- and thermal resistance. The belt comprises a multiply weave including at least double layers forming each of the external and internal layers. There are four layers, warp and weft layers being reinforced as described.

IPC 1-7
D03D 11/00; **D03D 15/02**; **D03D 15/12**

IPC 8 full level
D03D 11/00 (2006.01); **D03D 15/02** (2006.01); **D03D 15/12** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [A] DE 3843811 A1 19900705 - ALWIT GMBH PRODUKTIONS UND HAN [DE]
• [A] US 5399418 A 19950321 - HARTMANN'S JOERG [DE], et al
• [XA] DATABASE WPI Section Ch Week 8741, Derwent World Patents Index; Class A23, AN 87-287562, XP002082170

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EP 0962565 A1 19991208; **EP 0962565 B1 20010307**; DE 69800572 D1 20010412; DE 69800572 T2 20010628; ES 2159425 T3 20011001; HK 1026237 A1 20001208; US 6294489 B1 20010925

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