

Title (en)
FORMING FABRIC FOR THE WET END OF A PAPER MAKING MACHINE

Publication
EP 0388601 A3 19911016 (DE)

Application
EP 90101823 A 19900130

Priority
DE 3909534 A 19890322

Abstract (en)
[origin: EP0388601A2] 1.1. Forming wire for the wet end of a papermachine, consisting of a single-ply or multi-ply fabric of metal or plastic, which has a reinforcement in the region of its edge-side zone of high wear, to protect against wear by attrition. <??>1.2. To increase the wear resistance of the zones of high wear, it has already been proposed to weave additional wearing threads into the fabric in these zones. This has the disadvantage, however, that the reinforcement must be fitted already during weaving, so that the reinforcing threads must be placed anew for every wire of different width, or the width cut is already fixed during weaving by the positioning of the reinforcing threads, so that it is no longer possible to avoid weaving faults, which very frequently occur in the vicinity of the woven edges. <??>1.3. The invention avoids these disadvantages by applying the reinforcement in the form of a wearing mass to the fabric and joining it thereto, so that the reinforcement of the zones of high wear can be made only after the weaving and fixing or even only after the cutting and seaming of the wire. <IMAGE>

IPC 1-7
D21F 1/30; **D21F 1/10**; **D21F 1/00**

IPC 8 full level
D21F 1/00 (2006.01); **D21F 1/10** (2006.01); **D21F 1/30** (2006.01)

CPC (source: EP US)
D21F 1/0027 (2013.01 - EP US); **D21F 1/0036** (2013.01 - EP US); **D21F 1/10** (2013.01 - EP US); **D21F 1/105** (2013.01 - EP US); **D21F 1/30** (2013.01 - EP US); **Y10T 428/24777** (2015.01 - EP US); **Y10T 428/24785** (2015.01 - EP US); **Y10T 428/24793** (2015.01 - EP US); **Y10T 428/2481** (2015.01 - EP US)

Citation (search report)
• [X] DE 2922025 A1 19791206 - HUTTER & SCHRANTZ AG
• [XD] US 3523867 A 19700811 - MACBEAN DONALD G
• [A] DE 2700054 A1 19770714 - ALBANY INT CORP
• [A] US 4504539 A 19850312 - PETRACEK VACLAV [US], et al
• [A] US 4111634 A 19780905 - LIMBACH PAUL, et al
• [E] US 4917937 A 19900417 - LAPPANEN LASSE [FI], et al

Cited by
EP1757728A1; US6116156A; EP0889161A3; DE4041403A1; EP0493756A1; US7989368B2; DE102018101758B3; WO2019144998A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0388601 A2 19900926; **EP 0388601 A3 19911016**; DE 3909534 A1 19900927; FI 901329 A0 19900316; JP H02277896 A 19901114; NO 901307 D0 19900321; NO 901307 L 19900924; US 5084326 A 19920128

DOCDB simple family (application)
EP 90101823 A 19900130; DE 3909534 A 19890322; FI 901329 A 19900316; JP 6553090 A 19900315; NO 901307 A 19900321; US 48449190 A 19900223