

Title (en)

STEEL MESH FABRIC FOR MAKING A PIECE OF GARMENT

Title (de)

STAHLGEFLECHTGEWEBE ZUR HERSTELLUNG EINES KLEIDUNGSSTÜCKS

Title (fr)

TISSU CONSTITUÉ DE MAILLES D'ACIER, UTILISÉ POUR FABRIQUER UN VÊTEMENT

Publication

EP 2731741 B1 20150520 (EN)

Application

EP 11732441 A 20110712

Priority

EP 2011061886 W 20110712

Abstract (en)

[origin: WO2013007298A2] Fabric for protective piece of garment (glove, sleeve, apron, chasuble, jacket) comprising a mesh of interlocking rings which rings have an external diameter of between 3.98 and 4.02 mm and are made with a wire whose diameter is between 0.47 and 0.52 mm exhibiting a tensile strength between about 1200 and 1500 N/mm². An embodiment of the wire comprises steel having an austeno-ferritic structure comprising Fe with: -a C content not higher than 0.03 % by weight -a Mn content not higher than 2.00% by weight -a Si content not higher than 0.75% by weight -a S content not higher than 0.01% by weight -a P content not higher than 0.030% by weight -a Ni content of between 4.50% by weight and 6.50% by weight -a Cr content of between 21 % by weight and 23 % by weight -a Mo content of between 2.50% by weight and 3.50% by weight -a N content of between 0.15% by weight and 0.20% by weight the balance being substantially Fe and incidental impurities.

IPC 8 full level

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CPC (source: EP)

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Citation (opposition)

Opponent : Ullrich Twelmeier

- EP 1991075 B1 20101124 - MANULATEX FRANCE [FR]
- FR 2898249 A1 20070914 - MANULATEX FRANCE SOC PAR ACTIO [FR]
- "Nichtrostender austenitischer-ferritischer Stahl 1.4462 / X2CrNiMoN22-5-3", DEUTSCHE EDELSTAHLWERKE, 1 March 2008 (2008-03-01), pages 1 - 4, XP002695797
- "Nichtrostende Stähle - Teil 2", DIN EN 10088-2, September 2005 (2005-09-01), pages 1,17, XP055297504
- "Werkstoff-Bezeichnungen", INFORMATIONSSTELLE EDELSTAHL ROSTFREI, 4 July 2012 (2012-07-04), pages 1, XP055297521, Retrieved from the Internet <URL:http://www.edelstahl-rostoffrei.de/page.asp?pageID=56>
- "Nichtrostender austenitischer Stahl TK 1.4404 / X2CrNiMo17-12-2", THYSSENKRUPP MATERIALS EUROPE, May 2006 (2006-05-01), XP055297845
- "Acidur 4404, Werkstoffdatenblatt X2CrNiMo17-12-2 / 1.4404", DEUTSCHE EDELSTAHLWERKE, 16 October 2015 (2015-10-16), pages 4, XP055297846
- Opponent : Ziegler Arbeitsschutz GmbH,
 - FR 2898249 A1 20070914 - MANULATEX FRANCE SOC PAR ACTIO [FR]
 - EP 1991075 B1 20101124 - MANULATEX FRANCE [FR]
 - "Werkstoff-Bezeichnungen", INFORMATIONSSTELLE EDELSTAHL ROSTFREI, pages 1, XP055297521, Retrieved from the Internet <URL:http://www.edelstahl-rostoffrei.de/page.asp?pageID=56>
 - "Nichtrostender austenitischer Stahl TK 1.4404 / X2CrNiMo17-12-2", THYSSENKRUPP MATERIALS EUROPE, May 2006 (2006-05-01), pages 1 - 4, XP055297845
 - "1.4362 Nichtrostender austenitischer Chrom-Nickel-Stahl mit Schwefelzusatz", DEUTSCHE EDELSTAHLWERKE, March 2008 (2008-03-01), pages 1 - 4, XP002695796, Retrieved from the Internet <URL:http://www.dew-stahl.com/fileadmin/files/dew-stahl.com/documents/Publikationen/Werkstoffdatenblaetter/RSH/1.4362_de.pdf>

Designated contracting state (EPC)

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