

Title (en)
INDUSTRIAL TWO-LAYER FABRIC

Title (de)
ZWEISCHICHTIGES INDUSTRIEGEWEBE

Title (fr)
TISSU INDUSTRIEL À DEUX COUCHES

Publication
EP 3831993 A4 20220316 (EN)

Application
EP 19843271 A 20190716

Priority
• JP 2018143611 A 20180731
• JP 2019027881 W 20190716

Abstract (en)
[origin: EP3831993A1] Provided is an industrial two-layer fabric satisfying basic characteristics of a fabric, such as rigidity, wear resistance, dewaterability, mark suppression, and low water retention for reducing the amount of water retained. The industrial two-layer fabric pertaining to the present invention has at least a first structure and a second structure in the weave repeat thereof, the first structure being formed by a combination of two upper-surface-side warps and a single lower-surface-side warp, the second structure being formed by a single upper-surface-side warp and a single lower-surface-side warp, the first structure and the second structure being disposed adjacent to each other, the upper-surface-side warps in the first structure being formed by a warp binding yarn having the function of binding an upper-surface-side fabric and a lower-surface-side fabric, the combination of two upper-surface-side warps forming the first structure being disposed adjacent to each other and constituting a partial rib weave at the surface of the upper-surface-side fabric, the diameter of the lower-surface-side warp being larger than the diameter of the upper-surface-side warp forming the first structure, and the upper-surface-side warp in the second structure being formed by a flat warp.

IPC 8 full level
D21F 1/10 (2006.01)

CPC (source: EP US)
D03D 11/00 (2013.01 - US); **D03D 15/46** (2021.01 - US); **D21F 1/0036** (2013.01 - EP); **D21F 1/0036** (2013.01 - US)

Citation (search report)
• [A] US 2015090417 A1 20150402 - BOECK JOHANN [AT]
• [A] US 4815499 A 19890328 - JOHNSON DALE B [CA]
• [A] EP 2458048 A2 20120530 - NIPPON FILCON KK [JP]
• [A] US 2018094366 A1 20180405 - DING QIJUN [CN], et al
• See references of WO 2020026785A1

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