

Title (en)

LAYER SYSTEM, IMPELLER, METHOD TO PRODUCE

Title (de)

SCHICHTSYSTEM, LAUFRAD, VERFAHREN ZUR HERSTELLUNG

Title (fr)

SYSTÈME DE COUCHES, TURBINE ET PROCÉDÉ DE PRODUCTION

Publication

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Application

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Abstract (en)

[origin: EP3282130A1] The invention refers to a layer system (LSY) comprising a base material (BE) of a base element (BE), wherein said layer system (LSY) extends in a border area of said base element (BE) up to an outer surface, wherein said layer system (LSY) comprises at least one layer of cladding material (LCM1-LCMn) provided onto the base material (BE). Further the invention relates to an impeller (IMP) of a turbo-machine, in particular a turbo-compressor (TC), in particular a centrifugal turbo-compressor (TC), wherein said impeller (IMP) comprises a base element (BE) of a base material (BE) comprising blades (BLA) being arranged along a circumferential direction of a rotational axis (X), wherein said blades (BLA) comprise a leading edge (LE) and a trailing edge (TE). Further the invention relates to a method to produce a layer system (LSY) and a method to produce an impeller (IMP) respectively according to the before mentioned type.

IPC 8 full level

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