

Title (en)
BUCKET OF A PELTON TURBINE AND METHOD FOR PRODUCTION

Title (de)
BECHER EINER TURBINE VOM TYP PELTON UND VERFAHREN ZUR HERSTELLUNG

Title (fr)
AUGET D'UNE TURBINE PELTON ET SON PROCÉDÉ DE PRODUCTION

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Abstract (en)
[origin: WO2023030704A1] The invention relates to a bucket of a Pelton turbine, comprising a substrate (1), a main blade (2) and an erosion-resistant coating (3) covering the substrate (1), wherein: the substrate (1) has a wedge-shaped design in the region of the main blade (2); the substrate (1) comprises, in the region of the main blade (2), a first and a second tip portion and a total of four side portions; a recess extends between the tip portions; each tip portion is assigned two side portions; two of the side portions are located on the outside of the wedge-shaped substrate and the two other side portions are oriented inward toward the recess; and the coating (3) forms an elevated portion in the region of the recess in order to shape the tip of the main blade (2).

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