

Title (en)
BLADE GRID FOR TURBINE.

Title (de)
SCHAUFELGITTER FÜR TURBINE.

Title (fr)
GRILLE D'AUBES POUR TURBINE.

Publication
EP 0020426 A1 19810107 (FR)

Application
EP 79901202 A 19800422

Priority
FR 7828461 A 19781005

Abstract (en)
[origin: WO8000729A1] Blade grid for turbine comprising a series of blades arranged between a ceiling (12) and a floor (11) defining a series of channels (3). This grid comprises communications (13, 14) drilled into the ceiling (12) and/ or the floor (11) opening into one end at the vicinity of the outer face of the blades at the neck (6) of the channel and at the other end upstream of the grid. Reduction of the outer face depression only at right angles with the floor (12) and with the ceiling (11) thereby providing a decrease of secondary losses, while maintaining the distribution of the pressure optimum within the same part of the channel.

Abstract (fr)
Grille d'aubes pour turbine comportant une suite d'aubes disposees entre un plafond (12) et un plancher (11) definissant une suite de canaux (3). Cette grille comporte des communications (13, 14) percees dans le plafond (12) et/ou le plancher (11) debouchant a une extremite au voisinage de l'extrados des aubes au niveau du col (6) du canal et a l'autre extremite en amont de la grille. Reduction de la depression extrados uniquement au droit du plancher (12) et du plafond (11) entrainant une diminution des pertes secondaires, tandis que la repartition de la pression reste optimale dans la partie saine du canal.

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F01D 5/14; **F04D 29/68**

IPC 8 full level
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F01D 5/145 (2013.01 - EP US); **F04D 29/681** (2013.01 - EP US)

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