

Title (en)
Turbomachine rotor blade and corresponding turbomachine

Title (de)
Turbomaschinenlaufschaukel und zugehörige Turbomaschine

Title (fr)
Aube rotorique de turbomachine et turbomachine associée

Publication
EP 2818639 B1 20190313 (DE)

Application
EP 13174031 A 20130627

Priority
EP 13174031 A 20130627

Abstract (en)
[origin: US2015003988A1] A rotor blade for a turbomachine, including an airfoil (1) for flow deflection, a blade root (2) for attachment to a rotor of the turbomachine, an inner platform (3) between the airfoil and the blade root, and at least one pocket (4, 5) defined by two axially spaced walls (4.1, 4.2; 5.1, 5.2) extending from the side of the platform opposite the airfoil toward the blade root. A first (4.1, 5.1) of these walls has an outer side (4.1A, 5.1A) that faces away from the pocket and, in at least one cross section perpendicular to a radial longitudinal axis of the rotor blade, slopes outwardly.

IPC 8 full level
F01D 5/30 (2006.01)

CPC (source: EP US)
F01D 5/3007 (2013.01 - EP US); **F05D 2250/292** (2013.01 - EP US); **F05D 2250/38** (2013.01 - EP US); **F05D 2250/712** (2013.01 - EP US)

Citation (examination)
US 5924699 A 19990720 - AIREY DAVID [US], et al

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DOCDB simple family (publication)
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