

Title (en)
REFINER DISC

Title (de)
REFINERSCHEIBE

Title (fr)
DISQUE DE RAFFINEUR

Publication
EP 4334526 A1 20240313 (EN)

Application
EP 22716577 A 20220405

Priority
• SE 2150585 A 20210507
• SE 2022050337 W 20220405

Abstract (en)
[origin: WO2022235182A1] A refiner disc of a refiner (100) for refining of lignocellulosic material, said refiner disc (30) having an active surface (1; 1') comprising a pattern of bars (10) and grooves (20) disposed in a number of pattern areas (41; 41'), wherein said pattern areas (41; 41') are positioned side by side with each other to cover at least a part of the active surface (1; 1'). Each of said pattern areas (41; 41') has a length, l, extending between a first end (43a) and a second end (43b) of the pattern area (41; 41') and a width, w, extending between two side edges (45a, 45b) of the pattern area, wherein a distance between the two side edges (45a, 45b) is smallest in the first end (43a) of the pattern area (41; 41') and is increasing towards the second end (43b) of the pattern area. Each of said pattern areas (41; 41') is positioned on the active surface (1; 1') such that a centre line, c, of the pattern area (41; 41') is provided at an angle, p, to a radius, R, of the refiner disc (30), said angle, p, being between 10-60°.

IPC 8 full level
D21D 1/30 (2006.01)

CPC (source: EP SE)
D21B 1/14 (2013.01 - SE); **D21D 1/306** (2013.01 - EP SE)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022235182 A1 20221110; CN 117280091 A 20231222; EP 4334526 A1 20240313; SE 2150585 A1 20221018; SE 544688 C2 20221018

DOCDB simple family (application)
SE 2022050337 W 20220405; CN 202280033590 A 20220405; EP 22716577 A 20220405; SE 2150585 A 20210507