

Title (en)
MACHINE FOR RECYCLING TYRES

Title (de)
VORRICHTUNG ZUM RECYCLING VON REIFEN

Title (fr)
MACHINE POUR LE RECYCLAGE DES PNEUS

Publication
EP 3966011 A1 20220316 (FR)

Application
EP 20745311 A 20200717

Priority
• CH 9772019 A 20190731
• IB 2020056722 W 20200717

Abstract (en)
[origin: WO2021019357A1] Machine for recycling tyres by recovering the tyre tread rubber using water jets. The machine comprises a loading unit for loading a tread, a processing unit, the processing unit comprising a framework comprising a preprocessing zone, a processing zone and a postprocessing design. The preprocessing zone drives a cut tread towards the processing zone. The processing zone comprises a processing module designed to direct a water jet onto the recovered tread. The preprocessing zone comprises motorized guide rollers and presence sensors arranged in such a way as to allow a second tread to catch up with a first tread in such a way as to reduce, to the point of closing up, the space between two treads.

IPC 8 full level
B29B 17/04 (2006.01); **B29B 17/00** (2006.01); **B29B 17/02** (2006.01); **B29L 30/00** (2006.01)

CPC (source: CH CN EP KR US)
B24C 3/04 (2013.01 - CH KR); **B26F 3/004** (2013.01 - CH KR US); **B28B 17/02** (2013.01 - KR); **B29B 17/0005** (2013.01 - CN KR); **B29B 17/02** (2013.01 - CN); **B29B 17/04** (2013.01 - CN KR); **B29B 17/0404** (2013.01 - CH EP KR US); **B29B 17/02** (2013.01 - EP); **B29B 2017/0015** (2013.01 - CN KR US); **B29B 2017/0021** (2013.01 - CH CN EP KR US); **B29B 2017/022** (2013.01 - EP KR); **B29B 2017/0428** (2013.01 - CH CN EP KR US); **B29L 2030/00** (2013.01 - CH KR); **B29L 2030/002** (2013.01 - EP KR); **B29L 2030/007** (2013.01 - EP KR); **Y02W 30/20** (2015.05 - KR); **Y02W 30/52** (2015.05 - KR); **Y02W 30/62** (2015.05 - EP KR)

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

DOCDB simple family (publication)
WO 2021019357 A1 20210204; BR 112022001663 A2 20220621; CA 3149924 A1 20210204; CH 716478 A1 20210215; CN 113165219 A 20210723; CN 113165219 B 20230331; EP 3966011 A1 20220316; JP 2022543249 A 20221011; JP 7466625 B2 20240412; KR 102694280 B1 20240812; KR 20220052326 A 20220427; MX 2022001311 A 20220510; US 11999080 B2 20240604; US 2022274292 A1 20220901

DOCDB simple family (application)
IB 2020056722 W 20200717; BR 112022001663 A 20200717; CA 3149924 A 20200717; CH 9772019 A 20190731; CN 202080006537 A 20200717; EP 20745311 A 20200717; JP 2022506689 A 20200717; KR 20227006851 A 20200717; MX 2022001311 A 20200717; US 202017631660 A 20200717