

Title (en)
COLD IN-PLACE RECYCLING WITH HEATING ASSEMBLY INCLUDING A HEATER FOR ASPHALT CEMENT AND A HEAT-MODIFYING COMPONENT

Title (de)
KALTRECYCLING VOR ORT MIT EINER HEIZUNGSANORDNUNG MIT EINER HEIZUNG FÜR ASPHALTZEMENT UND EINER WÄRMEMODIFIZIERENDEN KOMPONENTE

Title (fr)
RECYCLAGE SUR PLACE À FROID AVEC DISPOSITIF CHAUFFANT COMPRENANT UN CHAUFFAGE POUR CIMENT D'ASPHALTE ET UN COMPOSANT DE MODIFICATION DE LA CHALEUR

Publication
EP 3524732 B1 20201230 (EN)

Application
EP 19155761 A 20190206

Priority
US 201862629296 P 20180212

Abstract (en)
[origin: EP3524732A1] A CIR train includes a milling machine (12), an asphalt cement supply tank (34), a mechanism (30) for dispensing asphalt cement onto paving material that has been removed from the roadway by the milling machine (12), an asphalt cement pump (36) for pumping asphalt cement from the asphalt cement supply tank (34) into and through an asphalt cement flow circuit (32,38) to the asphalt cement dispensing mechanism (30). A heating assembly is interposed in the asphalt cement flow circuit (32,38) between the asphalt cement supply tank (34) and the dispensing mechanism (30). The heating assembly includes a heater (14) and a heat modifying component. The heater includes an asphalt cement coil that is in the asphalt cement flow circuit (32,38), and a burner that is adapted to direct hot gases of combustion across the asphalt cement coil. The heat modifying component is adapted to modulate the amount of heat transfer from the hot gases of combustion to the asphalt cement in the coil.

IPC 8 full level
E01C 23/06 (2006.01); **C10C 3/00** (2006.01); **E01C 19/05** (2006.01); **E01C 19/08** (2006.01); **E01C 19/10** (2006.01); **F24H 1/16** (2006.01); **F28D 7/02** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP RU)
C10C 3/007 (2013.01 - EP); **E01C 19/1004** (2013.01 - RU); **E01C 23/065** (2013.01 - EP RU); **F24H 1/165** (2013.01 - EP); **F28D 7/026** (2013.01 - EP); **E01C 19/05** (2013.01 - EP); **E01C 19/08** (2013.01 - EP); **E01C 19/1004** (2013.01 - EP); **F28D 2021/0024** (2013.01 - EP)

Cited by
CN115058949A; CN114196428A; CN112048965A

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

DOCDB simple family (publication)
EP 3524732 A1 20190814; EP 3524732 B1 20201230; AU 2019200959 A1 20190829; AU 2019200959 B2 20200813; AU 2019200959 B9 20210204; BR 102019002643 A2 20191015; CA 3032166 A1 20190812; CA 3032166 C 20201229; RU 2725976 C1 20200708; ZA 201900728 B 20210929

DOCDB simple family (application)
EP 19155761 A 20190206; AU 2019200959 A 20190212; BR 102019002643 A 20190208; CA 3032166 A 20190131; RU 2019102517 A 20190129; ZA 201900728 A 20190204