

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  
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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

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