

Title (en)
DIRECT INJECTION LUBRICATION SYSTEM FOR KNITTING MACHINES

Title (de)
SCHMIERSYSTEM MIT DIREKTEINSPRITZUNG FÜR STRICKMASCHINEN

Title (fr)
SYSTÈME DE LUBRIFICATION À INJECTION DIRECTE POUR MACHINES À TRICOTER

Publication
EP 3084055 A4 20171122 (EN)

Application
EP 14872808 A 20141219

Priority
• US 201361919184 P 20131220
• US 2014071579 W 20141219

Abstract (en)
[origin: WO2015095748A1] An oil spray lubricator system for knitting machines, operable with a source of compressed air and a source of lubricating oil under pressure, comprising: a. an air flow filter that receives compressed air from said source thereof and reduces water in the air flow, b. a valve that controls said air flow, c. a first regulator that sets selected pressure of said air flow, and d. a second regulator that receives oil flow from said source thereof and sets selected pressure of said oil flow, g. a pulse timer that ejects said oil flow in selected frequency of pulses, h. a multi-port oil generator having an oil chamber having oil and air inlets and multiple oil ducts each of which has an inlet and an outlet and is situated within a larger bore diameter air duct that surrounds and creates an annular passageway between said oil and air ducts, and i. at least one ejection nozzle.

IPC 8 full level
D04B 35/28 (2006.01)

CPC (source: EP)
D04B 35/28 (2013.01)

Citation (search report)
• [IAY] EP 0427047 A1 19910515 - LUBE CORP [JP]
• [YA] DE 2004770 A1 19710812
• [YA] GB 1218324 A 19710106 - BUCK ALFRED [DE]
• [Y] US 3726482 A 19730410 - HEINRICHS R
• [A] US 6571918 B1 20030603 - COTLER ELLIOT M [US]
• [A] US 4353435 A 19821012 - ABRAMS ABRAHAM, et al
• [A] DE 2320635 A1 19741121 - BUCK ALFRED FEINMECHANIK
• See references of WO 2015095748A1

Designated contracting state (EPC)
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US 2014071579 W 20141219; CN 201480076003 A 20141219; EP 14872808 A 20141219; JP 2016541529 A 20141219