

Title (en)
EXCHANGE DEVICE FOR A BLOW LANCE

Title (de)
WECHSELVORRICHTUNG FÜR EINE BLASLANZE

Title (fr)
DISPOSITIF POUR REMPLACEMENT D'UNE LANCE DE SOUFFLAGE

Publication
EP 0858515 A1 19980819 (DE)

Application
EP 96937279 A 19961029

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Abstract (en)
[origin: US6022507A] PCT No. PCT/EP96/04693 Sec. 371 Date Sep. 11, 1998 Sec. 102(e) Date Sep. 11, 1998 PCT Filed Oct. 29, 1996 PCT Pub. No. WO97/17474 PCT Pub. Date May 15, 1997A blowing lance and a coupling head are configured to permit facilitated exchange of the blowing lance as desired. The coupling head includes a receptacle in which an end portion of the blowing lance is receivable. The receptacle includes a tubular attachment which engages a portion of the blowing lance, creating a hermetically sealed connection therebetween for conduction of a blowing fluid, for example, oxygen. The coupling head further includes connections for coolant supply and discharge. The blowing lance includes a cooling jacket having an inlet and outlet, at least one of which emerges at a peripheral surface thereof. When the blowing lance is received in the receptacle of the coupling head, at least one chamber is formed therebetween, providing sealed communication between the coolant supply and/or coolant discharge connections of the coupling head and the inlet and/or the outlet of the cooling jacket of the blowing lance, respectively.

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C21C 5/46

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US 6022507 A 20000208; AR 004142 A1 19980930; AT E181748 T1 19990715; BR 9611375 A 19990914; DE 19541199 C1 19970410; DE 19541199 C2 20010523; DE 29623273 U1 19980226; DE 59602344 D1 19990805; EP 0858515 A1 19980819; EP 0858515 B1 19990630; EP 0858515 B2 20030730; ES 2134015 T3 19990916; ES 2134015 T5 20040501; IN 192458 B 20040424; MX 9803343 A 19980930; WO 9717474 A1 19970515; ZA 969136 B 19970527

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